G

D

F

A

1

В

G

D

E

Α

L

1

В

G

Е

A

А

В

G

D

F

В

Jbig<mark>D</mark>eaL

### Download from WWW.JbigDeaLin Powered By © JbigDeaL™

В Т

G

D

F

Α

Т

В

T

G

D

F

Α

Т

В

Т

G

D

Ε

A

Т

В

I

G

D

Е

Α

B

G D F

**JbigDeal** 

JbigDeaL

**JbigDeal** 

**JbigDeaL** 

#### SECTION I

#### Q1 to 13 : Arrange the sentences A, B, C, and D from a logical sequence between sentences 1 and 6.

1.

1. India's experience of industrialization is characteristic of the difficulties faced by a newly independent developing country.

- A. In 1947, India was undoubtedly an under developed country with one of the lowest per capita incomes in the world.
- B. Indian industrialization was the result of a conscious deliberate policy of growth by an indigenous political elite. C. Today India ranks fifth in the international comity of nations if measured in terms of purchasing power.
- D. Even today however, the benefits of Indian industrialization since independence have not reached the masses.
- 6. in India has been a limited success; one more example of growth without development.
- (a) CDAB (b) DCBA
- (c) CABD
- (d) BACD

- 1. What does the state do in a country where tax is very low?
- A. It tries to spy upon the taxpayers.
- B. It investigates income sources and spending patterns.
- C. Exactly what the tax authority tries to do now even if inconsistently.
- D. It could also encourage people to denounce to the tax authorities any conspicuously prosperous neighbours who may be suspected of not paying their taxes properly.
- 6. The ultimate solution would be an Orwellian System.
- (a) BADC
- (b) DBAC
- (c) ABCD
- (d) DCBA

3.

- 1. It is significant that one of the most common objections to competition is that it is blind.
- A. This is important because in a system of free enterprise based on private property chances are not equal and there is indeed a strong case for reducing the inequality of opportunity.
  - B. Rather it is a choice between a system where it is the will of few persons that decides who is to get what and one where it depends at least partly, on the ability and the enterprise of the people concerned.
  - C. Although competition and justice may have little else in common, it is as much a commendation of competition as of justice that it is no respecter of persons.
  - D. The choice today is not between a system in which everybody will get what he deserves according to some universal standard and one where individuals' shares are determined by chance of goodwill.
- 6. The fact that opportunities open to the poor in a competitive society are much more restricted than those open to the rich, does not make it less true that in such a society the poor are more free than a person commanding much greater material comfort in a different type of society.

(a) CDBA

(b) DCBA

- (c) ABCD
- (d) BADC

**JbigDeal** JbigDeaL Jbiq<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

**JbigDeaL** 

Download from www.JbigDeal.in Powered By © JbigDeal

lh <u>JbigDeal</u> i JbigDeal

### Download from WWW.JbigDeaLin Powered By © JbigDeaL™

**JbiqDeal** 

В

G

D

F

A

1

В

G

D

E

А

В

G

Е

Α

А

В

G

D

F

В

G

F

Е

**JbiqDeal** 

В T 4. 1. The fragile Yugoslav state has an uncertain future. G A. Thus, there will surely be chaos and uncertainty if the people fail to settle their differences. D B. Sharp ideological differences already exist in the country. C. Ethnic, regional, linguistic and material disparities are profound. F D. The country will also lose the excellent reputation it enjoyed in the international arena. 6. At worst, it will once more become vulnerable to international conspiracy and intrigue. (a) BCAD Т (b) ADCB (c) ACBD (d) DBCA В 1. The New Economic Policy comprises the various policy measures and changes introduced since July 1991. T A. There is a common thread running through all these measures. G B. The objective is simple to improve the efficiency of the system. C. The regulator mechanism involving multitude of controls has fragmented the capacity and reduced competition even in D the private sector. D. The thrust of the new policy is towards creating a more competitive environment as a means to improving the F productivity and efficiency of the economy. Α 6. This is to be achieved by removing the banners and restrictions on the entry and growth of firms. (a) DCAB Т (b) ABCD (c) BDAC J (d) CDBA В 6. T 1. Commercial energy consumption shows an increasing trend and poses the major challenge for the future. A. The demand, for petroleum, during 1996 - 97 and 2006 - 07 is anticipated to be 81 million tonnes and 125 million G tonnes respectively. B. According to the projections of the 14<sup>th</sup> Power Survey Committee Report, the electricity generation requirements from D utilities will be about 416 billion units by 1996 - 97 and 825 billion units by 2006 - 07. Е C. The production of coal should reach 303 million tonnes by 1996-97 to achieve Plan targets and 460 million tonnes by 2006 - 07. A D. The demand for petroleum products has already outstripped indigenous production. L 6. Electricity is going to play a major role in the development of infrastructural facilities. (a) DACB (b) CADB (c) BADC B (d) ABCD I 7. G 1. The necessity for regional integration in South Asia is underlined by the very history of the last 45 years since the liquidation of the British Empire in this part of the world. D A. After the partition of the Indian Subcontinent, Pakistan was formed in that very area which the imperial powers had Е always marked out as the potential base for operations against the Russian power in Central Asia. B. Because of the disunity and ill-will among the South Asian neighbours, particular India and Pakistan, great powers А from outside the area could meddle into their affairs and thereby keep neighbours apart. C. It needs to be added that it was the bountiful supply of sophisticated arms that emboldened Pakistan to go for warlike L bellicosity towards India. J D. As a part of the cold war strategy of the US, Pakistan was sucked into Washington's military alliance spreading over the years. В 6. Internally too, it was the massive induction of American arms into Pakistan which empowered the military junta of that country to stuff out the civilian government and destroy democracy in Pakistan. (a) ACBD G (b) ABDC (c) CBAD D (d) DCAB F JbigDeaL **JbigDeal** Download from www.JbigDeal.in Powered By © JbigDeal Jbig<mark>D</mark>eaL **JbigDeal JbigDeal JbigDeaL** JbigDeaL **JbigDeaL** 

J

В

I G D Е А L L J В I G D Е А L

> J В I G D Е А L А J В Т G D Е А L

> > J В T G D Е Α L Е

Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

lh <u>Jbig<mark>D</mark>eal</u> i <u>JbigDeal</u>

J

8.
1. The success of any unit in a competitive environment depends on prudent management sources.
A. In this context it would have been more appropriate if the concept of accelerated depreciation, together with additional incentives towards capital allowances for recouping a portion of the cost of replacements out of
the current generations, had been accepted.
B. Added to this are negligible retention of profits because of inadequate capital allowances and artificial disallowance's
of genuine outflows. C. One significant cause for poor generation of surpluses is the high cost of capital and its servicing cost.
D. The lack of a mechanism in India tax laws for quick recovery of capital costs has not received its due attention.
6. While this may apparently look costly from the point of view of the exchequer, the ultimate cost of the Government and
the community in the form of losses suffered through poor viability will be prohibitive.
(a) ADBC (b) BCDA
(c) CBDA
(d) DBAC
9.
<ol> <li>Count Rumford is perhaps best known for his observations on the nature of heat.</li> <li>A. He undertook several experiments in order to test the theories of the origin of frictional heat.</li> </ol>
B. According to the calorists, the heat was produced by the "caloric" squeezed out of he chips in the process of separating
them from the larger pieces of metal.
C. Lavoisier had introduced the term "caloric" for the weightless substance heat, and had included it among the chemical elements, along with carbon, nitrogen and oxygen.
D. In the munitions factory in Munich, Rumford noticed that a considerable degree of heat developed in a brass gun while
it was being bored.
6. Rumford could not believe that the big amount of heat generated could have come from the small amount of dust created. (a) ABCD
(b) CBDA
(c) ADCB
(d) CDAB
10.
1. Visual recognition involves storing and retrieving of memories.
A. Psychologists of the Gestalt School maintain that objects are recognised as a whole in a procedure. B. Neural activity, triggered by the eye, forms an image in the brain's memory system that constitutes an internal
representation of the viewed object.
C. Controversy surrounds the question of whether recognition is a single one-step procedure or a serial step-by-step one.
<ul><li>D. When an object is encountered again, it is matched with its internal recognition and thereby recognised.</li><li>6. The internal representation is matched with the retinal image in a single operation.</li></ul>
(a) DBAC
(b) DCAB
(c) BDCA (d) CABD
<u>bigDeal JbigDeal Download from WWW.JbigDeal.in Powered By © JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal JbigDea</u>

J В I G D Е А L L J В I G D Е А L

> J В I G D Е А L А J В Т G D Е А L

D Е Α L Е lh <u>Jbig<mark>D</mark>eal</u> i <u>JbigDeal</u>

# Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

<ul> <li>11.</li> <li>1. The idea of sea-floor spreading actually preceded the theory of plate tectonic.</li> <li>a. The hypothesis was soon substantiated by the discovery that periodic reversals of the magnetic field are recorded in the occanic cruss.</li> <li>a. An explanation of this process devised by F.J. Vine and D.H. Mathews of Princeton is now gp D. The sea-floor spreading hypothesis was formulated chiefly by Harry H. Hess of Princeton is now ge D. The sea-floor spreading hypothesis was formulated chiefly by Harry H. Hess of Princeton (Solo).</li> <li>a. As magma rises under the mid-ocean, ferromagnetic minerals in the magma become magnetic geomagnetic field.</li> <li>(a) DEAR</li> <li>(b) CBA</li> <li>(c) DEAR</li> <li>(d) DBAC</li> <li>12.</li> <li>1. The history of mammals dates back at least to Triassic time.</li> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>Development was retarded, however, until the sudden acceleration of evolutional charge to Paelocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new inest backcore in the to increase in average size, larger mental capacity, and special adapt of tif.</li> <li>A. CDB</li> <li>13.</li> <li>14. The ada th of cinema has been predicted annually.</li> <li>A. Hasn't happened.</li> <li>B. The steak of the carece rotin mature and udiences plummeted reaching a lo C. Film has enjoyed a remaissance, and audiences are now roughly double of what they were at D. Then the home computer became the projected memsis, followed by satellite television.</li> <li>(e) ADB</li> <li>(f) BDAC</li> <li>(f) Boac</li> <li>(f) BD</li></ul>	specify rigid lithospheric enerally accepted. n University in the early	
<ol> <li>The idea of sea-floor spreading actually preceded the theory of plate tectonics.         <ul> <li>A. The hypothesis was soon substantiated by the discovery that periodic reversals of the magnetic field are recorded in the oceanic crust.</li> <li>B. In its original version, it described the creation and destruction of ocean floor, but it did no plates.</li> <li>C. An explanation of this process devised by F.J. Vine and D.H. Mathews of Princeton is now g D. The sea-floor spreading hypothesis was formulated chiefly by Harry H. Hess of Princeton 1960's.</li> <li>As magma rises under the mid-ocean, ferromagnetic minerals in the magma become magneti geomagnetic field.</li> <li>(a) DCBA</li> <li>(b) ABDC</li> <li>(c) CBDA</li> <li>(d) DBAC</li> </ul> </li> <li>12.         <ul> <li>The history of mammals dates back at least to Triassic time.</li> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional charge the Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life.</li> <li>The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(d) ACBD</li> <li>(e) BCDA</li> <li>(f) ACBD</li> <li>3.</li> <li>The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a C D. Then the home computer becam</li></ul></li></ol>	specify rigid lithospheric enerally accepted. n University in the early	
<ul> <li>A. The hypothesis was soon substantiated by the discovery that periodic reversals of the magnetic field are recorded in the oceanic crust.</li> <li>B. In its original version, it described the creation and destruction of ocean floor, but it did no plates.</li> <li>C. An explanation of this process devised by F.J. Vine and D.H. Mathews of Princeton is now g D. The sea-floor spreading hypothesis was formulated chiefly by Harry H. Hess of Princeto 1960's.</li> <li>6. As magma rises under the mid-ocean, ferromagnetic minerals in the magma become magneti geomagnetic field.</li> <li>(a) DCBA</li> <li>(b) ABDC</li> <li>(c) CBDA</li> <li>(d) DBAC</li> </ul> 12. The history of mammals dates back at least to Triassic time. A. Miocene and Pliocene time was marked by culmination of several groups and continued characters. B. Development was retarded, however, until the sudden acceleration of evolutional change to plaecocene. C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adar of life. 6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA (d) ACBD 13. 1. The death of cinema has been predicted annually. A. It hasn't happened. B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a C D. Then the home computer became the projected nemesis, followed by satellite television. 6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement. (a) CABB (b) BDAC (c) ABDC (c) ABDC	specify rigid lithospheric enerally accepted. n University in the early	
<ul> <li>B. În its original version, it described the creation and destruction of ocean floor, but it did not plates.</li> <li>C. An explanation of this process devised by F.J. Vine and D.H. Mathews of Princeton is now g D. The sea-floor spreading hypothesis was formulated chiefly by Harry H. Hess of Princetor 1960's.</li> <li>6. As magma rises under the mid-ocean, ferromagnetic minerals in the magma become magneti geomagnetic field.</li> <li>(a) DCBA</li> <li>(b) ABDC</li> <li>(c) CBDA</li> <li>(d) DBAC</li> <li>12.</li> <li>1. The history of mammals dates back at least to Triassic time.</li> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional change to Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adaptor life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(d) ACDB</li> <li>(e) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It has 't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a C D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) ABDC</li> </ul>	enerally accepted. In University in the early	
<ul> <li>plates.</li> <li>C. An explanation of this process devised by F.J. Vine and D.H. Mathews of Princeton is now g</li> <li>D. The sea-floor spreading hypothesis was formulated chiefly by Harry H. Hess of Princeto 1960's.</li> <li>6. As magma rises under the mid-ocean, ferromagnetic minerals in the magma become magnetic geomagnetic field.</li> <li>(a) DCBA</li> <li>(b) ABDC</li> <li>(c) CBDA</li> <li>(d) DBAC</li> </ul> 12. 1. The history of mammals dates back at least to Triassic time. A. Miocene and Pliocene time was marked by culmination of several groups and continued characters. B. Development was retarded, however, until the sudden acceleration of evolutional change to Paleocene. C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life. 6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) ACBD 13. 1. The death of cinema has been predicted annually. A. It hasn't happened. B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a C D. Then the home computer became the projected nemesis, followed by satellite television. 6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement. (a) CADB (b) BDAC (c) ABDC (c) ABD	enerally accepted. In University in the early	
<ul> <li>C. An explanation of this process devised by F.J. Vine and D.H. Mathews of Princeton is now g D. The sea-floor spreading hypothesis was formulated chiefly by Harry H. Hess of Princeto 1960's.</li> <li>6. As magma rises under the mid-ocean, ferromagnetic minerals in the magma become magneti geomagnetic field.</li> <li>(a) DCBA</li> <li>(b) ABDC</li> <li>(c) CBDA</li> <li>(d) DBAC</li> </ul> 12. 1. The history of mammals dates back at least to Triassic time. A. Miocene and Pliocene time was marked by culmination of several groups and continued characters. B. Development was retarded, however, until the sudden acceleration of evolutional change to Paleocene. C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life. 6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA (d) ACBD 13. 13. 13. The death of cinema has been predicted annually. A. It hasn't happened. B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a c D. Then the home computer became the projected nemesis, followed by satellite television. 6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement. (a) CADB (b) BDAC (c) ABDC (c) ABDC	n University in the early	
<ul> <li>1960's.</li> <li>6. As magma rises under the mid-ocean, ferromagnetic minerals in the magma become magnetic geomagnetic field.</li> <li>(a) DCBA</li> <li>(b) ABDC</li> <li>(c) CBDA</li> <li>(d) DBAC</li> <li>12.</li> <li>1. The history of mammals dates back at least to Triassic time.</li> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional change to Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines</li> <li>D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(d) ACDB</li> <li>(c) ECDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a c. D. Then the home computer became the projected memesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> </ul>		
<ul> <li>6. As magma rises under the mid-ocean, ferromagnetic minerals in the magma become magnetic geomagnetic field.</li> <li>(a) DCBA</li> <li>(b) ABDC</li> <li>(c) CBDA</li> <li>(d) DBAC</li> <li>12.</li> <li>1. The history of mammals dates back at least to Triassic time.</li> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional change to Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a cD. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> <li>(c) ABDC</li> </ul>	ed in the direction of the	
<ul> <li>(a) DCBA</li> <li>(b) ABDC</li> <li>(c) CBDA</li> <li>(d) DBAC</li> <li>12.</li> <li>1. The history of mammals dates back at least to Triassic time.</li> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional change to Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a c. D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>		
<ul> <li>(b) ABDC</li> <li>(c) CBDA</li> <li>(d) DBAC</li> <li>12.</li> <li>1. The history of mammals dates back at least to Triassic time.</li> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional charge to Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a C. D. Then the home computer became the projected nemesis, followed by satellite televison.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> <li>(c) ABDC</li> </ul>		
<ul> <li>(c) CBDA</li> <li>(d) DBAC</li> <li>12.</li> <li>1. The history of mammals dates back at least to Triassic time.</li> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional change to Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adap of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a CD. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>		
<ul> <li>12.</li> <li>1. The history of mammals dates back at least to Triassic time.</li> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional change to Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a C. D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>		
<ol> <li>The history of mammals dates back at least to Triassic time.         <ul> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional change to Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adap of life.</li> <li>The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> </ul> </li> <li>13.         <ul> <li>The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a C D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul> </li> </ol>		
<ul> <li>A. Miocene and Pliocene time was marked by culmination of several groups and continued characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional change the Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a C. D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>		
<ul> <li>characters.</li> <li>B. Development was retarded, however, until the sudden acceleration of evolutional change the Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a CD. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>	pproach towards modern	
<ul> <li>Paleocene.</li> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines</li> <li>D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch</li> <li>(a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a loc C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a c. D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>		
<ul> <li>C. In the Oligocene Epoch, there was further improvement, with appearance of some new lines D. This led in Eocene time to increase in average size, larger mental capacity, and special adapt of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch (a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a d D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>	at occurred in the oldest	
<ul> <li>of life.</li> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch</li> <li>(a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo</li> <li>C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a c</li> <li>D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>		
<ul> <li>6. The peak of the career of mammals in variety and average large size was attained in this epoch <ul> <li>(a) BDCA</li> <li>(b) ACDB</li> <li>(c) BCDA</li> </ul> </li> <li>(d) ACBD</li> </ul> <li>13. <ol> <li>The death of cinema has been predicted annually. <ul> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a CD. Then the home computer became the projected nemesis, followed by satellite television.</li> </ul> </li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement. <ul> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul> </li> </ol></li>	ations for different modes	
<ul> <li>(b) ACDB</li> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually. <ul> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo</li> <li>C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a c</li> <li>D. Then the home computer became the projected nemesis, followed by satellite television.</li> </ul> </li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement. <ul> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul> </li> </ul>		
<ul> <li>(c) BCDA</li> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually.</li> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo</li> <li>C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a c</li> <li>D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>		
<ul> <li>(d) ACBD</li> <li>13.</li> <li>1. The death of cinema has been predicted annually. <ul> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo</li> <li>C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a c</li> <li>D. Then the home computer became the projected nemesis, followed by satellite television.</li> </ul> </li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement. <ul> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul> </li> </ul>		
<ol> <li>The death of cinema has been predicted annually.         <ul> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo</li> <li>C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a d</li> <li>D. Then the home computer became the projected nemesis, followed by satellite television.</li> </ul> </li> <li>Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.         <ul> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul> </li> </ol>		
<ol> <li>The death of cinema has been predicted annually.         <ul> <li>A. It hasn't happened.</li> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo</li> <li>C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a d</li> <li>D. Then the home computer became the projected nemesis, followed by satellite television.</li> </ul> </li> <li>Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.         <ul> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul> </li> </ol>		
<ul> <li>B. It was said that the television would kill it off and indeed audiences plummeted reaching a lo C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a C D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>		
<ul> <li>C. Film has enjoyed a renaissance, and audiences are now roughly double of what they were a c D. Then the home computer became the projected nemesis, followed by satellite television.</li> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>	v in 1984	
<ul> <li>6. Why? Probably because, even in the most atomized of societies, we human beings feel the need our excitement.</li> <li>(a) CADB</li> <li>(b) BDAC</li> <li>(c) ABDC</li> </ul>		
our excitement. (a) CADB (b) BDAC (c) ABDC	to share our fantasies and	
(b) BDAC (c) ABDC	to share our failtastes and	
(c) ABDC		
(d) DABC		
JbigDeal JbigDeal Download from WWW.JbigDeaLin Powered By © JbigD		
	Ba <mark>l IbigD</mark> eal IbigDeal Ibig	ig <mark>D</mark> eaL

G

D

F

А

L

Т

J

В

G

D

Е

Α

L

J

В

G

D

Е

Α

L

А

В

T

G

D

F

Δ

В

G

F

Е

Jbiq<mark>D</mark>eaL **JbiqDeaL** 

1

В T

G

D

Е

A

L

J

В

T

G

D

F

Α

Т

J

В

Т

G

D

Е

A

Т

B

I

G

D

Е

А

L

J В

G

D F

A

**JbigDeal** 

JbigDeaL

**JbigDeal** 

**JbigDeaL** 

### Download from WWW.JbigDeaLin Powered By © JbigDeaL™

Q14 to 19: A number of sentences are given below which, when properly sequenced, from a coherent paragraph. Each sentence is labeled with a letter. Choose the most logical order of sentence from among the four given choices to construct a coherent paragraph.

14. A. In emission trading, the government fixes the total amount of pollution that is acceptable to maintain a desired level of air quality. A. Economists argue this approach makes air pollution control more cost – effective than the current practice of fixing air pollution standards and expecting all companies to pollute below these standards. B. USA uses emission trading to control air pollution. C. It then distributes emission permits to all companies in the region, which add up to the overall acceptable level of emission. (a) BADC (b) ACDB (c) CADB (d) DBAC 15. A. Realists believe that there is an objective reality "out there" independent of ourselves. B. This reality exists solely by virtue of how the world is, and it is in principle discoverable by application of the methods of science. C. They believe in the possibility of determining whether or not a theory is indeed really true or false. D. I think it is fair to say that this is the position to which most working scientists subscribe. (a) ABCD (b) CDBA (c) DCBA (d) BCAD 16. A. All levels of demand, whether individ ual, aggregate, local, national, or international are subject to change. B. At the same time, science and technology add new dimensions to products, their uses, and the methods used to market them. C. Aggregate demand fluctuates with changes in the level of business activity, GNP, and national income. D. The demands of individuals tend to vary with changing needs and rising income. (a) CBDA (b) DCAB (c) BCAD (d) ADCB 17. A. There is a strong manufacturing base for a variety of products. B. India has come a long way on the technology front. C. But the technology adopted has been largely of foreign origin. D. There are however areas such as atomic energy, space, agriculture, and defense where significant strides have been made in evolving relevant technologies within the country. (a) ADCB (b) DBAC (c) BACD (d) CBAD

**JbigDeal JbigDeaL** JbigDeaL **JbigDeal** 

Download from www.JbigDeaL.in Powered By © JbigDeaL

J

В

I G D Е А L L J В I G D Е А L

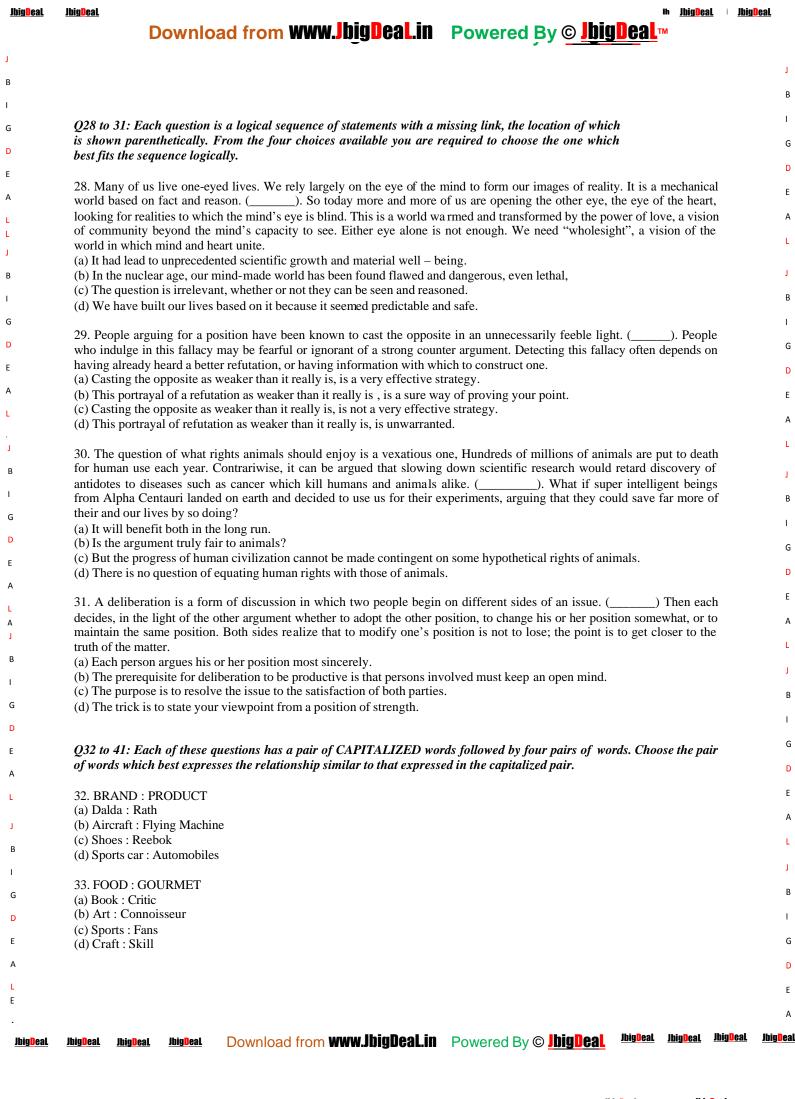
lh <u>Jbig<mark>D</mark>eal</u> i <u>JbigDeal</u>

# Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

J

В		В
I		Ь
G	18.	I
D	A. Secret persons shall strike with weapons, fire or poison. B. Clans mutually supporting each other shall be made to strike at the weak points.	G
E	C. He shall destroy their caravans, herds, forests and troop reinforcements.	D
A	D. The conqueror shall cause enemy kingdom to be destroyed by neighboring kings, jungle tribes, pretenders or unjustly treated princes.	E
L	(a) DCBA	А
L	(b) ABCD	L
J	(c) BDCA (d) ADCB	-
В	(d) ADCD	J
	19.	В
G	A. The individual companies vary in size, from the corner grocery to the industrial giant. B. Policies and management methods within firms range from formal well-planned organization and controls to slipshod	I
	day-to-day operations.	
D	C. Various industries offer a wide array of products or services through millions of firms largely independent of each other.	G
E	D. Variation in the form of ownership contributes to diversity in capital investment, volume of business, and financial structure.	D
A	(a) DBCA	E
L	(b) CADB	
	(c) BADC	A
J	(d) ADCB	L
В		J
I	Q20 to 23: Read the text and the numbered statements carefully and answer the questions given at the end.	B
G	Four people of different nationalities live on the same side of a street in four houses each of different color. Each person has	D
	a different favorite drink. The following additional information is also known:	I
D	The Englishman lives in the red house.	G
E	The Italian drinks tea.	D
A	The Norwegian lives in the first house on the left. In the second house from the right they drink milk.	E
L A	The Norwegian lives adjacent to the blue house.	А
J	The Spaniard drinks fruit juice.	
В	Tea is drunk in the blue house. The white house is to the right of the red house.	L
-	The winte house is to the right of the red house.	J
	20. The color of the Norwegian's house is	В
G	(a) yellow (b) white	Ι
D	(c) blue	
E	(d) red	G
A	21. Milk is drunk by	D
L	(a) Norwegian	E
-	(b) English	А
J	(c) Italian	
В	(d) None of the above	L
I	22. The Norwegian drinks	J
G	(a) milk	В
	(b) cocoa (c) tea	
D	(d) fruit juice.	I
E		G
А		D
L		E
E		А
•		
<u>Jbig<mark>D</mark>eaL</u>	<u>JhigDeal JhigDeal</u> Download from <b>www.JhigDeal.in</b> Powered By © <mark>JhigDeal</mark> JhigDeal JhigDeal JhigDeal JhigDeal JhigDeal J	big <mark>D</mark> eal
Jbig <mark>D</mark> eaL	<u>JbigDeal</u> JbigDeal Download from <b>WWW.JbigDeal.in</b> Powered By © <mark>JbigDeal</mark> JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal	al

<u>JbigDeal</u>		<mark>]Deal</mark>
	Download from WWW.JbjgDeal.in Powered By © JbjgDeal	
J		L
В		В
I		1
G		G
D		D
E		U F
A		L A
L		A
J		L
В		J
I		В
G		I
D		G
E		D
A		E
L		А
J		L
В		L
I		В
G		I
D		G
E		D
Α		F
L		A
A J		
В	Ram says, "I never speak to strangers, I am new to these parts."	
I	Laxman says, "I am married to Lila. Take the left road." Lila says, "I am married to Ram, He is not new to this place."	1
G	Which of the following is true?	B
D	<ul><li>(a) Left road takes you to the village.</li><li>(b) Right road takes you to the village.</li></ul>	1
E	<ul><li>(c) Lila is married to Laxman.</li><li>(d) None of these.</li></ul>	G
А		D
L	27. You want to speak to the chief of the village. You question three inhabitants. Amar, Bobby and Charles. Only Bobby's	E
J	Amar says. "I am not Bobby's son. The chief wears a red shirt."	A
В	Bobby says, "I am Amar's father, Charles is the chief." Charles says, "The chief is one among us. I am the chief."	L
I	Who is the chief? (a) Amar	1
G	(b) Bobby	В
D	(c) Charles (d) None of them	I
E		G
А		D
L E		E
		А
Jbig <mark>D</mark> eaL	<u>JbigDeal JbigDeal</u> Download from <b>www.JbigDeal.in</b> Powered By © <mark>JbigDeal</mark> JbigDeal JbigDeal JbigDeal JbigDeal	<u>Jbig<mark>D</mark>ea</u>



В I G D Е А L L J В I G D Е А L

# Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

J		J
В		
I		В
G	34. NORTH : SOUTH	I.
D	(a) Black : White	G
	(b) Yellow : orange	D
E	(c) Red : Maroon (d) Red : Indigo	
A		E
L	35. DROUGHT : FAMINE	А
L	(a) Poverty : Plenty (b) Drip : Fluid	L
1	(c) Camera : Film	
В	(d) Training : Skill	J
I	36. NUTS : BOLTS	В
G	(a) Nitty : Gritty	I.
D	(b) Bare : Feet	C
	(c) Naked : Clothes (d) Uard - Soft	G
E	(d) Hard : Soft	D
A	37. SALT : SALTY	E
L	(a) Sweet : Sugar	А
	(b) Cow : Bovine (c) Bitter : Sour	
J	(d) Taste : Flavor	L
В		J
I	38. JUST : ARBITRARY (a) Order : Chaos	В
G	(b) Bare : Clothed	
D	(c) Hope : Surprise	1
U	(d) Proper : Impropr	G
E	39. CRIME : PUNISHMENT	D
А	(a) Lawyer : Judge	E
L	<ul><li>(b) Court : Room</li><li>(b) Accused : Defendant</li></ul>	
A J	(d) Homicide : Penalty	А
		L
В	40. ATMOSPHERE : STRATOSPHERE (a) Nimbus : Cloud	J
I	(b) Instrument : Calibration	В
G	(c) Aircraft : Jet	b
D	(d) Climate : Ra in	I
E	41. DIVIDE : UNITE	G
A	(a) Split : Apart	D
	(b) Marriage : Divorce	E
L	(b) Fission : Fusion (d) Chasm : Gap	
J		А
В	Q42 to 46: Each of the following questions has four items. Mark the one that does not belong to this group.	L
1	272 to 70. Each of the following questions has four tiems. Mark the one that does not belong to this group.	L
	42.	В
G	(a) Invoice (b) Salas Tay	
D	(b) Sales Tax (c) Octroi	I
E	(d) Quotation	G
A		D
L		E
E		
		А
<u>JbigDeal</u>	IbigDeal IbigDeal Download from WWW.JbigDeal.in Powered By © JbigDeal IbigDeal IbigDeal IbigDeal IbigDeal IbigDeal	<u>L JbigDeal</u>

<u>JbigDeal JbigDeal JbigDeal JbigDeal</u> Download from **www.JbigDeal.in** Powered By © JbigDeal <u>Jbig<mark>D</mark>eaL</u> Jbig<mark>D</mark>eaL <u>Jbig<mark>D</mark>eal</u> Jbig<mark>D</mark>eaL

J В I G D Е А L L J В I G D Е А L

> J В I G D Е Α L А J В Т G D Е А L

> > J В T G D Е Α L Е

# Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

					J
					В
	43.				I
	(a) Equestrian				G
	(b) Neigh (c) Derby				D
	(d) Bark				E
	44				
	(a) Apt				A
	(b) Relevant				L
	(c) Appropriate (d) Adept				J
					В
	45. (a) Ring				
	(b) Shoulder				
	(c) Finger (d) Write				G
	(d) white				D
	46. (a) Abstract				E
	(b) Conceptual				А
	(c) Material				L
3	(d) Idealist				L
5	Q47 to 50 : Each question is a sentence broken into four parts. Select that part which has an error.				В
)					I
	<ul><li>(a) You did not wait</li><li>(b) for us before you</li></ul>				G
	(c) went to meet him.				D
A Contraction of the second seco	(d) Isn't it?				E
	48.				А
	<ul><li>(a) The police have prevented</li><li>(b) Rajan in leaving the</li></ul>				L
3	(c) city without informing them				J
	(d) two days in advance.				В
G	49.				
D	<ul><li>(a) I would have</li><li>(b) given you the</li></ul>				I
	(c) documents yesterday if				G
4	(d) you had asked for it.				D
-	50.				E
1	<ul><li>(a) Who have you</li><li>(b) invited for the lecture</li></ul>				А
В	(c) on astrophysics				L
L L	(d) this evening?				J
					В
G					-
D					'
E .					G
A					D
E					E
•					А
<u>Jbig<mark>D</mark>eal</u>	<u>JbigDeal JbigDeal</u> Download from <b>www.JbigDeal.in</b> Powered By © JbigDeal	Jbig <mark>D</mark> eaL	<u>Jbig<mark>D</mark>eaL</u>	<u>Jbig<mark>D</mark>eal</u>	<u>Jbig<mark>D</mark>eal</u>

<u>JbigDeal JbigDeal JbigDeal JbigDeal</u> Download from **www.JbigDeal.in** Powered By © JbigDeal <u>Jbig<mark>D</mark>eaL</u> Jbig<mark>D</mark>eaL <u>Jbig<mark>D</mark>eal</u> Jbig<mark>D</mark>eaL

<u>Jbig<mark>D</mark>eal</u>	JbigDeal. In JbigDeal i Jbig	<mark>Deal</mark>
	Download from WWW.JbigDeaLin Powered By © JbigDeaL™	
J		
		J
В		В
I		
G		
D	SECTION II	G
E		D
A		E
L	Q51 - 57 : Each of these items has a question followed by two statements. As the answer,	А
L	Mark (a), If the question can be answered with the help of statement I alone, Mark (b), If the question can be answered with the help of statement I, alone,	L
1	Mark (c), If both, statement I and statement II are needed to answer the question, and	
В	Mark (d), If the question cannot be answered even with the help of both the statements.	J
L	51. Given that X and Y are non-negative. What is the value of X?	В
G	I. $2X + 2Y \le 40$	I
D	II. $X - 2Y \ge 20$	G
	52. What are the values of 3 integers a, b, and c?	
E	I. $ab = 8$	D
A	II. $bc = 9$	E
L	53. Is the average of the largest and the smallest of four given numbers greater than the average of the four numbers?	А
1	I. The difference between the largest and the second largest numbers is greater than the difference between the second	L
	smallest and the smallest numbers.	
В	II. The difference the largest and the second largest numbers is less than the difference between the second largest and the second smallest numbers.	J
I		В
G	54. What are the ages of the three brothers? I. The product of their ages is 21.	I
D	II. The sum of their ages is not divisible by 3.	G
E	55. Two types of widgets, namely type A and type B, are produced on a machine. The number of machine hours available	D
А	per week is 80. How many widgets of type A must be produced?	E
L	I. One unit of type A widget requires 2 machine hours and one unit of type B widget requires 4 machine hours.	
A J	II. The widget dealer wants supply of at least 10 units of type A widget per week and he would not accept less than 15 units of type B widget.	A
		L
В	56. What is the area of a regular hexagon? I. The length of the boundary line of the hexagon is 36 cm.	J
I	II. The area of the hexagon is 6 times the area of an equilateral triangle formed on one of the sides.	В
G		
D	<ul><li>57. What is the price of mangoes per kg?</li><li>I. Ten kg of mangoes and two dozens of oranges cost Rs. 252.</li></ul>	'
E	II. Two kg of mangoes could be bought in exchange for one dozen oranges.	G
А	Q57 – 100 : Choose the appropriate answer choice.	D
L	Q37 - 100. Choose the appropriate answer choice.	E
	58. Two oranges three bananas and four apples cost Rs. 15. Three oranges, two bananas and one apple cost Rs. 10. I bought	A
J	3 oranges, 3 bananas and 3 apples. How much did I pay? (a) Rs. 10	L
В	(b) Rs. 8	
I	(c) Rs 15 (d) cannot be determined	1
G	(d) cannot be determined	В
D		I
E		G
А		D
L		E
E		
•		A
<u>JbigDeal</u>	JbigDeal JbigDeal Download from WWW.JbigDeal.in Powered By © JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal	<u>Jbig<mark>D</mark>ea</u>
Jbig <mark>D</mark> eaL	<u>JbigDeal</u> JbigDeal Download from WWW.JbigDeal.in Powered By © JbigDeal Jbi	g <mark>Deal</mark>

<ul> <li>59. The rate of increase of the price of sugar is observed to be two percent more than the inflation rate for the year 1994 and 1995 are expected to be 8% each. The expected price of sugar on January 1, 1996 (would be (12.2.6))</li> <li>(a) 2.5.60</li> <li>(b) 2.4.00</li> <li>(c) 2.4.00</li> <li>(c) 2.4.00</li> <li>(d) 2.4.00</li> <li>(e) 2.4.00</li> <li>(e) 2.4.00</li> <li>(f) 2.4.00</li> <li>(h) An intelligence agency decides on a code of 2 dipts selected from 0, 1, 2,, 9. But the slip on which the code is functional diversities and the contribution barbox ends on the code of a dipts selected from 0, 1, 2,, 9. But the slip on which the code is leaded be contacted with 16. How many codes are there such that there is no possibility of any confusion?</li> <li>(e) 25</li> <li>(f) 30</li> <li>(f) None of there</li> <li>(f) Suppose one whichs to find distinct positive integers x, y such that (x + y)' xy is also a positive integer. Identify the correct alternative.</li> <li>(f) This is possible and there citis more than one but a finite number of ways of chaosing the pair (xy).</li> <li>(f) This is possible and there citis more than one but a finite number of ways of chaosing the pair (xy).</li> <li>(f) This is possible and there citis more than one but a finite number of ways of chaosing the pair (xy).</li> <li>(f) This is possible and there citis more than one but a finite number of mass of chaosing the pair (xy).</li> <li>(f) This is possible and metric citis more than one but a finite number of mass of chaosing the pair (xg).</li> <li>(f) This is possible and metric citis more than one but a finite number of ways of chaosing the pair (xg).</li> <li>(f) This is possible and metric citis more than one but a finite number of mass of chaosing the pair (xg).</li> <li>(f) This is possible and metric citis more than one but a finite number of matches shull by the finite mass of the pair (xg) of the construction of the construction of the construction is number of matches is required to determine the c</li></ul>	<u>Jbig<mark>D</mark>eaL</u>		I <mark>Deal</mark>
<ul> <li>59. The rate of increase of the price of sugar is observed to be two percent more than the inflation rate for the year 1994 and 1995 are expected to be 8% each. The expected price of sugar on January 1, 1996 (would be (12.2.6))</li> <li>(a) 2.5.60</li> <li>(b) 2.4.00</li> <li>(c) 2.4.00</li> <li>(c) 2.4.00</li> <li>(d) 2.4.00</li> <li>(e) 2.4.00</li> <li>(e) 2.4.00</li> <li>(f) 2.4.00</li> <li>(h) An intelligence agency decides on a code of 2 dipts selected from 0, 1, 2,, 9. But the slip on which the code is functional diversities and the contribution barbox ends on the code of a dipts selected from 0, 1, 2,, 9. But the slip on which the code is leaded be contacted with 16. How many codes are there such that there is no possibility of any confusion?</li> <li>(e) 25</li> <li>(f) 30</li> <li>(f) None of there</li> <li>(f) Suppose one whichs to find distinct positive integers x, y such that (x + y)' xy is also a positive integer. Identify the correct alternative.</li> <li>(f) This is possible and there citis more than one but a finite number of ways of chaosing the pair (xy).</li> <li>(f) This is possible and there citis more than one but a finite number of ways of chaosing the pair (xy).</li> <li>(f) This is possible and there citis more than one but a finite number of ways of chaosing the pair (xy).</li> <li>(f) This is possible and there citis more than one but a finite number of mass of chaosing the pair (xy).</li> <li>(f) This is possible and metric citis more than one but a finite number of mass of chaosing the pair (xg).</li> <li>(f) This is possible and metric citis more than one but a finite number of ways of chaosing the pair (xg).</li> <li>(f) This is possible and metric citis more than one but a finite number of mass of chaosing the pair (xg).</li> <li>(f) This is possible and metric citis more than one but a finite number of matches shull by the finite mass of the pair (xg) of the construction of the construction of the construction is number of matches is required to determine the c</li></ul>		Download from WWW.JbjgDeaLin Powered By © JbjgDeaL™	
<ul> <li>59. The rate of increase of the price of sugar is observed to be two percent more than the inflation rate expressed in percentage. The price of sugar of sharp 1, 1994, is 8x 20 per kg. The inflation rate for the yater 1994 and 1995 are expected to be 8% (asch. The expected pee of sugar or January 1, 1996 (a), 10, 23.60 (c), 24.00 (c), 24.00</li></ul>	J		
<ul> <li>59. The rate of increase of the price of sugar is observed to be two percent more than the inflution rate expressed in precentage. The price of sugar, on January 1, 1994, is Rs. 20 per kg. The inflation rate for the years 1994 and 1995 me expected to be 8% each. The expected price of sugar on January 1, 1996 (0.23.60)</li> <li>(b) 24.00</li> <li>(c) 24.00</li> <li>(c) 24.00</li> <li>(d) 24.00</li> <li>(e) 24.00</li> <li>(f) 24.00</li> <li>(f) 24.00</li> <li>(f) 24.00</li> <li>(f) 24.00</li> <li>(f) 24.00</li> <li>(f) 24.00</li> <li>(g) 24.00</li> <li>(g) 24.00</li> <li>(h) an intelligence agency docides on a code of 2 digits selected from 0, 1, 2,, 9. But the slip on which the code is bound with a flow many code are there such that there is no possibility of any contision?</li> <li>(g) 75</li> <li>(h) 75</li> <li>(h) 76</li> <li>(i) 80</li> <li>(i) None of these</li> <li>(i) This is possible and the pair (xy) satisfying the stand condition is unique.</li> <li>(i) This is possible and the pair (xy) satisfying the stand condition is unique.</li> <li>(i) This is possible and the pair (xy) can be chosen in infinite ways.</li> <li>(i) G(i) X(i + y) 2/1 is vold</li> <li>(ii) Y i' is odd</li> <li>(iii) Y i' is odd</li> <li>(iiii) Y i' is odd</li> <li>(iii) Y i' is odd</li> <li>(iiii) Y i'</li></ul>	В		1
59. The rate of increase of the price of squar is observed to be two percent more than the inflation rate of the years 1995 and 1995 are expected to be 8% each. The expected price of squar on January 1, 1996 would be (1) 24.00 (1) 24.0	I		В
expressed in precentage. The price of sugar, on January 1, 1994, is $85, 20$ per kg. The inflution rate for the years 1994 and 1995 are expected to be $8\%$ each. The expected price of sugar on January 1, 1996 (a) 23.60 (b) 24.00 (c) 23.20 (c) 24.00 (c) A no inclligence agency decides on a code of 2 digits selected from 0, 1, 2,, 9. But the dip on which the code is hand-writen allows combasion between op and bottom, because these are indistinguishable. Thus, for example, the code 91 could be confused with 16. How many codes are there such that there is no possibility of any confusion? (a) 25 (b) 75 (c) 80 (c) Mone of these 61. Suppose one wishes to find distinct positive integers x, y such that (x + y)' xy is also a positive integer. Identify the correct alternative. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) This is possible and the pair (xy) satisfying the stated condition is unique. (c) $3, 3, 4, 3, 3, 3, 5, 4, 3, 4, 3, 4, 3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,$	G	59. The rate of increase of the price of sugar is observed to be two percent more than the inflation rate	I
the years 19% and 19% are expected in the SM care. The expected place of sigger on January 1, 1990 would be (a) 23.00 (b) 24.60 (c) 34.60 (c) 34.60 (c) An intelligence agency decides on a code of 2, digits selected from 0, 1, 2,, 9. But the slip on which the code is hand-written allows comission between op and horton, because these are indistinguishable. Thus, for example, the code (c) 1 crud be confused with 16. How many codes are there such that there is no possibility of any confusion? (c) 25 (c) 37 (c) 30 (d) Nime of these (e) This is possible and the pair (x,y) satisfying the stated condition is unique. (e) This is possible and there axis more than one but a finite number of ways of choosing the pair (x,y). (d) This is possible and there axis more than one but a finite number of ways of choosing the pair (x,y). (e) This is possible and there axis more than one but a finite number of ways of choosing the pair (x,y). (f) This is possible and there axis more than one but a finite number of ways of choosing the pair (x,y). (g) This is possible and there axis more than one but a finite number of ways of choosing the pair (x,y). (g) This is possible and there axis more than one but a finite number of ways of choosing the pair (x,y). (g) This is possible and there axis more than one but a finite number of ways of choosing the pair (x,y). (g) This is possible and there axis more than one but a finite number of ways of choosing the pair (x,y). (g) This is possible and more one player gets a byse, wurking promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a byte to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is (e) 136 (f) 137 (f) 138 (f) 139 (f) The tait (f) more likely a had (f) more likely a thad (f) m		expressed in percentage. The price of sugar, on January 1, 1994, is Rs. 20 per kg. The inflation rate for	G
<ul> <li>(a) 23.40</li> <li>(b) 24.30</li> <li>(c) 24.30</li> <li>(c) 24.30</li> <li>(c) 24.60</li> <li>(d) 24.60</li> <li>(e) An intelligence agency decides on a code of 2 digits selected from 0, 1, 2,, 9. But the slip on which the code is hand—writen allows confusion between top and bottom, because these are indistinguishable. Thus, for example, the code 91 could be confused with 16. How many codes are there such that there is no possibility of any confusion?</li> <li>(e) 25</li> <li>(f) 73</li> <li>(f) 30</li> <li>(f) None of these</li> <li>(f) This is possible and the pair (x,y) satisfying the stated condition is unique.</li> <li>(f) This is possible and there acts to me than one but a finite number of ways of choosing the pair (x,y).</li> <li>(f) This is possible and there pair (x,y) and z which of the following is not necessarily true?</li> <li>(f) This is possible and there pair (x,y) and z which of the following is not necessarily true?</li> <li>(f) X<sup>+</sup> y<sup>+</sup> z<sup>+</sup> is odd</li> <li>(f) X<sup>+</sup> y<sup>+</sup> z<sup>+</sup> is even.</li> <li>(f) S<sup>+</sup> y<sup>+</sup> z<sup>+</sup> is odd</li> <li>(f) X<sup>+</sup> y<sup>+</sup> z<sup>+</sup> is even.</li> <li>(f) This immeter map for an elimination tournament. All players are to be paired up for the finat round, but the mather the pair (x,y) is a possible integer s, y and z which orther out, with a byte in any player bit over. If the schould is planned is a ninimum number of matches is required to determine the champion, the number of matches which must be played is (a) 136</li> <li>(f) 137</li> <li>(g) 138</li> <li>(g) 139</li> <li>(g) And</li> <li>(h) and</li> <li>(</li></ul>			D
<ul> <li>(b) 24.00</li> <li>(c) 24.20</li> <li>(d) 24.00</li> <li>60. An intelligence agency decides on a code of 2 digits selected from 0, 1, 2,, 9. But the slip on which the code is fand-written allows confusion between top and bottom, because these are indistinguishable. Thus, for example, the code 91 could be confused with 16. How many codes are there such that there is no possibility of any confusion?</li> <li>(a) 25</li> <li>(b) 76</li> <li>(c) 70</li> <li>(d) None of these</li> <li>(e) This is possible and the pair (xy) satisfying the stated condition is unique.</li> <li>(e) This is possible and there exist nore than one but a finite number of ways of choosing the pair (xy).</li> <li>(d) This is possible and there exist nore than one but a finite number of ways of choosing the pair (xy).</li> <li>(e) This is possible and there exist nore than con but a finite number of ways of choosing the pair (xy).</li> <li>(f) This is possible and there exist nore than one but a finite number of ways of choosing the pair (xy).</li> <li>(g) This is possible and there exist nore than one but a finite number of ways of choosing the pair (xy).</li> <li>(f) This is possible and there exist nore than one but a finite number of ways of choosing the pair (xy).</li> <li>(g) This is possible and there exist nore.</li> <li>(h) SiG + y') 2/1 is even.</li> <li>(c) Sign odd positive integers x, y and z which of the following is not necessarily true?</li> <li>(a) x' (x' + y') 2/1 is even.</li> <li>(b) 3/2 (x' + y') 2/1 is even.</li> <li>(c) 138</li> <li>(d) 139</li> <li>(e) 137</li> <li>(f) 138</li> <li>(g) 130</li> <li>(h) 139</li> <li>(h) The sumber of matches is required to determine the champion, the number of matches which must be played is (a) 136</li> <li>(h) 130</li> <li>(h) 139</li> <li>(h) 130</li> <li>(h) 139</li> <li>(h) 130</li> <li>(h) 139</li> <li>(h) 130</li> <l< td=""><td>E</td><td></td><td>F</td></l<></ul>	E		F
(d) 24.60 60. An intelligence agency decides on a code of 2 digits selected from 0, 1, 2,, 9. But the slip on which the code is hand-writter allows confusion between top and bottom, because these are indistinguishable. Thus, for example, the code 91 could be confused with 16. How many codes are there such that there is no possibility of any confusion? (a) 25 (b) 75 (c) 30 (d) None of these 61. Suppose one wishes to find distinct positive integers x, y such that $(x + y)'$ xy is also a positive integer. Identify the correct alternative. (e) This is never possible. (f) This is possible and the pair (x,y) satisfying the stated condition is unique. (c) This is possible and the pair (x,y) satisfying the stated condition is unique. (c) This is possible and the pair (x,y) satisfying the stated condition is unique. (c) This is possible and the pair (x,y) satisfying the stated condition is unique. (c) This is possible and the pair (x,y) satisfying the stated condition is unique. (c) This is possible and the pair (x,y) satisfying the stated condition is unique. (c) This is possible and the pair (x,y) satisfying the stated condition is unique. (c) This is possible and the pair (x,y) satisfying the stated condition is unique. (c) This is possible and the pair (x,y) can be chosen in infinite ways. 62. Given odd positive integers x, y and z which of the following is not necessarily true? (a) $x^2 + x^2 + i$ so taid (d) $2^3 x^2 + x^2 + i$ so taid (d) $2^3 x^2 + x^2 + i$ so taid (d) $2^3 x + y^2 + z^2$ is even. 63. 139 persons have signed up for an elimination tournament. All players are to be paired up for the first round, but because 139 is an odd number one player gets a bye, which promotes him to the second round, without actually playing in the first round. The playing on the next round, with a play to playing -1 (the schealte is planuat	A		
<ul> <li>60. An intelligence agency decides on a code of 2 digits selected from 0, 1, 2,, 9. But the slip on which the code is hand-written allows confusion between top and hottorn, because these are indistinguishable. Thus, for example, the code 91 could be confused with 16. How many codes are there such that there is no possibility of any confusion?</li> <li>(a) 25</li> <li>(b) 75</li> <li>(c) 80</li> <li>(d) Nome of these</li> <li>61. Suppose one wishes to find distinct positive integers x, y such that (x + yy' xy is also a positive integer. Identify the correct alternative.</li> <li>(a) This is never possible.</li> <li>(b) This is possible and the pair (xy) satisfying the stated condition is unique.</li> <li>(c) This is possible and there exist more than one but a finite number of ways of choosing the pair (xy).</li> <li>(d) This is possible and there exist more than one but a finite number of ways of choosing the pair (xy).</li> <li>(d) This is possible and there exist more than one but a finite number of ways of choosing the pair (xy).</li> <li>(e) This is possible and there exist more than one but a finite number of ways of choosing the pair (xy).</li> <li>(f) This is possible and there exist more than one but a finite number of ways of choosing the pair (xy).</li> <li>(g) X + y / z is even.</li> <li>(g) Y + y / z is even.</li> <li>(g) Y + y / z is even.</li> <li>(g) Y = y + z is odd</li> <li>(h) Y &lt; x + y / y / z is even.</li> <li>(g) A finite more than one pair to normaneat. All players are to be paired up for the first round, but for information on the next round, with a hyte to my player left over. If the schelable is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is (n) 136</li> <li>(h) 137</li> <li>(c) 138</li> <li>(d) 139</li> <li>64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven ti</li></ul>			A
ahand-written allows confusion between top and bottom, because these are indistinguishable. Thus, for example, the code 91(a) 25(b) 75(c) 30(c) None of these6). Suppose one wishes to find distinct positive integers x, y such that $(x + y)'$ xy is also a positive integer. Identify the correct alternative.(a) This is never possible.(c) This is possible and the pair $(x,y)$ satisfying the stated condition is unique.(c) This is possible and the pair $(x,y)$ satisfying the stated condition is unique.(c) This is possible and the pair $(x,y)$ can be chosen in infinite ways.62. Given odd positive integers x, y and z which of the following is not necessarily true?(a) $X' y' X'$ is odd(b) $3(X' + y')X'$ is even.63. 139 persons have signed up for an elimination tournament. All players are to be paired up for the first round, but be beause 139 is an odd number one player gots a byc, which promotish in to the scored round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schodule is planned so that an infimumum number of matches is required to determine the champion, the number of matches which must be played is (a) 136(c) 138(d) a baid(e) 13964. There are ten 50 pairse coins placed on a table. Six of these show table four six show heads. A coin is chosen at random and flipped over (not tassed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows(i) a baid(j) a baid(k) 13965. There are ten 50 pairse coins placed on a table. Six of these show table four six the nearo	- J		L
could be confused with 16. How many codes are there such that there is no possibility of any confusion? (a) 25 (b) 75 (c) 80 (d) None of these 1. Suppose one wishes to find distinct positive integers x, y such that $(x + y)'$ xy is also a positive integer. Identify the correct alternative. (a) This is possible and there exist more than one but a finite number of ways of choosing the pair $(x,y)$ . (d) This is possible and there exist more than one but a finite number of ways of choosing the pair $(x,y)$ . (d) This is possible and there exist more than one but a finite number of ways of choosing the pair $(x,y)$ . (d) This is possible und there exist more than one but a finite number of ways of choosing the pair $(x,y)$ . (d) This is possible integers x, y and z which of the following is not necessarily true? (a) $x^2 \neq z^2$ is cold (b) $3(x^2 + y^2)/z^2$ is even. (c) $5x + y + z^2$ is cold (d) $2^2(x^2 + y^2)/z^2$ is even. (c) $3x + y + z^2$ is cold (d) $2^2(x^2 + y^2)/z^2$ is even. (e) $3x = 139$ persons have signed up for an elimination tournament. All players are to be paired up for the first round, but because 139 is an odd number one player gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is (a) 136 (b) 137 (c) 138 (d) 139 (c) 138 (d) 139 (d) A rad (e) nore likely a bead (d) more likely a bead (d) more likely a tead (d) None (e) 2.1 (f) 3.1 (f) 3.1 (f) 3.1 (h) 3.1	D		J
(a) $\frac{25}{10}$ (b) $\frac{75}{10}$ (c) $80$ (d) None of these 61. Suppose one wishes to find distinct positive integers x, y such that $(x + y)'$ xy is also a positive integer. Identify the correct alternative. (a) This is possible and the pair $(xy)$ satisfying the stated condition is unique. (b) This is possible and there exist more than one but a finite number of ways of choosing the pair $(x,y)$ . (c) This is possible and the pair $(xy)$ can be chosen in infinite ways. 62. Given odd positive integers x, y and z which of the following is not necessarily true? (a) $x^2 \neq x^2$ is odd (b) $3(x^2 + y^2)/x^2$ is even. (c) $5x + y \neq x^2$ is odd (d) $x^2 (x^2 + y^2)/x^2$ is even. (e) $5x + y \neq x^2$ is odd (f) $y^2 (x^2 + y^2)/x^2$ is even. (f) $5x + y \neq x^2$ is odd (h) $x^2 (x^2 + y^2)/x^2$ is even. (g) $5x + y \neq x^2$ is odd (h) $7(x^2 + y^2)/x^2$ is even. (g) $5x + y \neq x^2$ is odd (h) $7(x^2 + y^2)/x^2$ is even. (g) $5x + y \neq x^2$ is odd (h) $7(x^2 + y^2)/x^2$ is even. (g) $139$ (g) $2(1)$ (h) $31$ (g) $2(1)$ (h) $31$ (g) $2(2)$ (h) $32$ (g) $2(2)$ (h) $33$ (h) $339$ (h) $339$			
c) $(0)$ None of these661. Suppose one wishes to find distinct positive integers x, y such that $(x + y)' xy$ is also a positive integer. Identify the correct alternative.8(a) This is possible and the pair $(x, y)$ satisfying the stated condition is unique.8(b) This is possible and the pair $(x, y)$ can be chosen in infinite ways.8(c) This is possible and the pair $(x, y)$ can be chosen in infinite ways.8(c) This is possible and the pair $(x, y)$ can be chosen in infinite ways.8(c) This is possible and the pair $(x, y)$ can be chosen in infinite ways.8(c) Systep $x + y'$ is odd8(c) $5x + y + y'$ is odd8(c) $5x + y + y'$ is even.8(c) $5x + y + y'$ is even.8(c) $5x + y + y'$ is even.8(c) $5x + y + y'$ is even.8(d) $10' (x' + y')/2$ is even.8(e) $130$ 9(f) $130$ 10(g) $130$ 10(h) $137$ 10(h) $136$ 10(h) $137$ 10(h) $137$ 10(h) $137$ 10(h) $137$ 10(h) $137$ 10(h) $136$ 11(h) $137$ 13(h) $138$ 14(h) $139$ 14(h) $130$ 14(h) $131$ 14			D
<ul> <li>(d) None of these</li> <li>61. Suppose one wishes to find distinct positive integers x, y such that (x + y)' xy is also a positive integer. Identify the correct alternative.</li> <li>(a) This is possible and the pair (x,y) satisfying the stated condition is unique.</li> <li>(c) This is possible and the pair (x,y) can be chosen in infinite ways.</li> <li>62. Given odd positive integers x, y and z which of the following is not necessarily true?</li> <li>(a) X<sup>2</sup> y Z<sup>2</sup> is odd</li> <li>(b) 3(X + y<sup>2</sup>) X<sup>2</sup> is even.</li> <li>(c) This is possible and the pair (x,y) can be chosen in infinite ways.</li> <li>63. 139 persons have signed up for an elimination tournament. All players are to be paired up for the first round, but be used 189 is an odd number or palyer gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is (a) 136</li> <li>(b) 137</li> <li>(c) 138</li> <li>(d) 159</li> <li>64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows</li> <li>(a) a bead</li> <li>(b) a tail</li> <li>(c) more likely a head</li> <li>(d) more likely a head</li> <li>(d) None</li> </ul>	G		I
61. Suppose one wishes to find distinct positive integers x, y such that $(x + y)/xy$ is also a positive integer. Identify the correct alternative.(a) This is never possible.(b) This is possible and the pair $(x,y)$ satisfying the stated condition is unique.(c) This is possible and the pair $(x,y)$ can be chosen in infinite number of ways of choosing the pair $(x,y)$ .(d) This is possible and the pair $(x,y)$ can be chosen in infinite ways.62. Given odd positive integers x, y and z which of the following is not necessarily true?(a) $x^2 y^2 z^2$ is odd(b) $3(x + y^2)z^2$ is even.(c) $5x + y + z^2$ is odd63. 139 persons have signed up for an elimination tournament. All players are to be paired up for the first round, but because 139 is an odd number one player gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is (a) 136(d) 139664. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows(a) 2 a head(b) a tail(c) nore likely a tail(d) more likely a tail(d) more likely a tail(d) None(e) None	D		G
A correct alternative. (a) This is prossible and the pair (x,y) satisfying the stated condition is unique. (b) This is possible and the pair (x,y) can be chosen in infinite number of ways of choosing the pair (x,y). (c) This is possible and the pair (x,y) can be chosen in infinite ways. (c) Civen odd positive integers x, y and z which of the following is not necessarily true? (a) $x^2 + y^2 = 1$ is odd (b) $3(x^2 + y^2)^{x^2}$ is even. (c) $5x + y + y^2$ is odd (d) $(2^2 + x^2 + y^2)^2$ is even. (e) $5x + y + y^2$ is odd (f) $(2^2 + x^2 + y^2)^2$ is even. (f) $(2^2 + x^2 + y^2)^2$ is a odd number of an elimination tournament. All players are to be paired up for the first round, but the because 139 is an odd number one player gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is (a) 136 (b) 137 (c) 138 (d) 139 (d) 139 (e) 138 (d) 139 (e) 138 (d) 139 (e) 138 (d) 139 (f) 139 (	E	61. Suppose one wishes to find distinct positive integers x, y such that $(x + y)/xy$ is also a positive integer. Identify the	D
(b) This is possible and the pair (x,y) satisfying the stated condition is unique.A(c) This is possible and there pair (x,y) can be chosen in infinite ways.L(d) This is possible and there pair (x,y) can be chosen in infinite ways.L(e) Six (f)	Α		E
(c) This is possible and there visits more than one but a finite number of ways of choosing the pair $(x,y)$ . (d) This is possible and there visits more than one but a finite number of ways of choosing the pair $(x,y)$ . (e) This is possible and there visits more than one but a finite number of ways of choosing the pair $(x,y)$ . (f) This is possible and there visits more than one but a finite number of ways of choosing the pair $(x,y)$ . (f) This is possible and there visits more than one but a finite number of ways of choosing the pair $(x,y)$ . (g) $x^2 y^2 z^2$ is even. (g) $3(x^2 + y^2)^2$ is even. (g)	L		А
<ul> <li>(d) This is possible and the pair (x,y) can be chosen in infinite ways.</li> <li>62. Given odd positive integers x, y and z which of the following is not necessarily true? <ul> <li>(a) x<sup>2</sup> y<sup>2</sup> z<sup>2</sup> is odd</li> <li>(b) x<sup>2</sup> (x<sup>2</sup> + y<sup>2</sup>) z<sup>2</sup> is seven.</li> <li>(c) 5x + y + x<sup>2</sup> is odd</li> <li>(d) z<sup>2</sup> (x<sup>4</sup> + y<sup>2</sup>)/2 is even</li> </ul> </li> <li>63. 139 persons have signed up for an elimination tournament. All players are to be paired up for the first round, but because 139 is an odd number one player gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is</li> <li>(a) 136</li> <li>(b) 137</li> <li>(c) 138</li> <li>(d) 139</li> <li>64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows</li> <li>(a) a head</li> <li>(b) a tail</li> <li>(c) more likely a head</li> <li>(d) more likely a head</li> <li>(e) 3: 1</li> <li>(f) 3: 1</li> <li>(g) 3: 1</li> <li>(h) None</li> </ul>			
<ul> <li>62. Given odd positive integers x, y and z which of the following is not necessarily true?</li> <li>(a) X<sup>2</sup> y<sup>2</sup> z<sup>2</sup> is odd</li> <li>(b) 3(x<sup>2</sup> + y<sup>2</sup>)z<sup>2</sup> is even.</li> <li>(c) 5x + y<sup>2</sup> z<sup>2</sup> is odd</li> <li>(d) (d) x<sup>2</sup> (x<sup>4</sup> + y<sup>2</sup>)z<sup>2</sup> is even</li> <li>63. 139 persons have signed up for an elimination tournament. All players are to be paired up for the first round, but because 139 is an odd number one player gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is</li> <li>(a) 136</li> <li>(b) 137</li> <li>(c) 138</li> <li>(d) 139</li> <li>6</li> <li>64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows</li> <li>(a) a head</li> <li>(b) a tail</li> <li>(c) more likely a tail</li> <li>65. From each of the two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is three times as large as the smaller. What is the ratio of the two numbers?</li> <li>(a) 2: 1</li> <li>(b) 3: 1</li> <li>(c) 3: 2</li> <li>(d) None</li> </ul>	J		L
1(a) $x^2 + x^2$ is odda6(b) $3(x^2 + y^2)^2 z^2$ is even.17(c) $5x + y + x^2$ is odd18(d) $x^2 (x^4 + y^2)^2 z^2$ is even663. 139 persons have signed up for an elimination tournament. All players are to be paired up for the first round, but07because 139 is an odd number one player gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is (a) 136138(c) 138149(d) 137159(d) 139149664. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows664. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows664. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the cosins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows<	В	62 Given odd positive integers y y and z which of the following is not necessarily true?	J
c) $(2) 5x + y + y^2$ is odd (d) $x^2 (x^2 + y^2)/2$ is even6663. 139 persons have signed up for an elimination tournament. All players are to be paired up for the first round, but because 139 is an odd number one player gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is (a) 136 (b) 137ac) 138 (d) 139c) 138 (d) 139a664. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin showsa) a head (b) a tail (c) more likely a headbc) (a) nore likely a headc)c) (a) 2:1 (d) 3:1 (e) 3:2c)d) Nonea	I	(a) $x^2 y^2 z^2$ is odd	В
D       (d) $z^2 (x^4 + y^4)/2$ is even       G         6       63. 139 persons have signed up for an elimination tournament. All players are to be paired up for the first round, but because 139 is an odd number on player gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is (a) 136 (b) 137       K         8       (e) 138       (d) 139       K         9       64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows       G         6       64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows       G         6       (b) a tail       D         7       (c) more likely a head       D         8       (d) done likely a tail       E         9       (d) None       G         9       (d) None       G         9       (d) None       G	G		I
E       63. 139 persons have signed up for an elimination tournament. All players are to be paired up for the first round, but because 139 is an odd number one player gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is <ul> <li>(a) 136</li> <li>(b) 137</li> <li>(c) 138</li> <li>(d) 139</li> </ul> <li>64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows</li> <li>(a) a head</li> <li>(b) a tail</li> <li>(c) more likely a tail</li> <li>(a) 2: 1</li> <li>(b) 3: 1</li> <li>(c) 3: 2</li> <li>(d) None</li>	D	(c) $5x + y + z$ is odd (d) $z^{2}(x^{4} + y^{4})/2$ is even	C
<ul> <li>because 139 is an odd nümber one player gets a bye, which promotes him to the second round, without actually playing in the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that a minimum number of matches is required to determine the champion, the number of matches which must be played is (a) 136</li> <li>(a) 136</li> <li>(b) 137</li> <li>(c) 138</li> <li>(d) 139</li> <li>6</li> <li>64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows</li> <li>(a) a head</li> <li>(b) a tail</li> <li>(c) more likely a head</li> <li>(d) more likely a tail</li> <li>(e) 3: 1</li> <li>(f) 3: 1</li> <li>(g) 3: 2</li> <li>(g) None</li> <li>(h) None</li> </ul>	E		
L       the first round. The pairing continues on the next round, with a bye to any player left over. If the schedule is planned so that       a minimum number of matches is required to determine the champion, the number of matches which must be played is       A         (a) 136       (b) 137       L         B       (c) 138       L         (d) 139       L       L         G       64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows       G         (a) a head       (b) a tail       C       D         (d) more likely a head       E       G       A         (e) More likely a tail       E       G       A         (f) 3 : 1       (c) 3 : 2       G       G         (d) None       G       G       A         C       3 : 2       G       G         (d) None       G       G       G         (e) 3 : 2       G       G       G         (f) None       G       G       G       G         (g) A       G       G       G       G         (g) 3 : 1       G       G       <	А		D
A       a minimum number of matches is required to determine the champion, the number of matches which must be played is       A         I       (a) 136       L         B       (c) 138       J         I       (d) 139       J         G       64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows       G         E       (a) a head       D       C         A       (b) a tail       D       D         I       (d) more likely a head       E       I         I       65. From each of the two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is three times as large as the smaller. What is the ratio of the two numbers?       L         G       (d) None       D       I         D       3 : 1       G       G         A       (d) None       I       G         A       I       A       I         I       I       I       G         I       I       I       I         I       I       I       I         I       I       <			E
(b) 137       L         B       (c) 138         1       (d) 139         G       64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows         E       (a) a head         A       (b) a tail         C       (d) more likely a head         L       (d) more likely a tail         J       65. From each of the two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is three times as large as the smaller. What is the ratio of the two numbers?         B       (a) 2 : 1         I       (b) 3 : 1         I       (c) 3 : 2         G       (d) None         D       I         E       I         I       I         E       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I </td <td></td> <td></td> <td>А</td>			А
B       (c) 138       J         I       (d) 139       Image: Construct on the second of the second of the construct on the second of the construct on the construct on the second of the construct on the construct on the second of the construct on the construct on the second of the construct on the construct on the second of the construct on the construle on the construct on the construct on the construle	1		L
Image: Letter of the series	В		L.
G       64. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and         D       flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine         E       (a) a head         A       (b) a tail         C       (c) more likely a head         L       (d) more likely a tail         J       65. From each of the two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is three times as large as the smaller. What is the ratio of the two numbers?         B       (a) 2: 1         I       (b) 3: 1         (c) 3: 2       B         G       (d) None         D       I         E       I         A       (c) 3: 2         G       (d) None         D       I         E       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I      <	I	(d) 139	
coins, five show tails and four show heads. The covered coin shows       G         coins, five show tails and four show heads. The covered coin shows       G         (a) a head       D         (b) a tail       D         (c) more likely a head       D         (d) more likely a tail       E         (d) more likely a tail       E         (a) 2 : 1       (b) 3 : 1         (c) 3 : 2       (c) 3 : 2         (d) None       B         (e) None       I         (f) None       I	G		В
E       (a) a head       D         A       (b) a tail       D         (c) more likely a head       E         J       65. From each of the two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is       A         B       (a) 2 : 1       A         I       (b) 3 : 1       J         G       (d) None       B         D       I       I         E       I       G         A       I       I         B       (a) 2 : 1       J         I       (b) 3 : 1       J         I       (b) 3 : 1       J         G       (d) None       B         D       I       I         E       I       G         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I </td <td>D</td> <td></td> <td>I</td>	D		I
A       (c) more likely a head       E         L       (d) more likely a tail       E         J       65. From each of the two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is three times as large as the smaller. What is the ratio of the two numbers?       A         B       (a) 2 : 1       J         I       (b) 3 : 1       J         I       (b) 3 : 1       J         I       (c) 3 : 2       B         D       I       I         E       G       G         A       D       I         E       G       G         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         G       (d) None       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I         I       I       I       I       I         I       I       I       I       I <td>E</td> <td></td> <td>G</td>	E		G
L       (d) more likely a tail       E         J       65. From each of the two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is three times as large as the smaller. What is the ratio of the two numbers?       A         B       (a) 2 : 1       J         i       (b) 3 : 1       J         ic:       3 : 2       B         G       (d) None       B         D       I       I         E       G       G         A       D       I         E       G       G         A       D       I         E       G       G         A       D       I         E       G       G         A       D       I         E       G       G         A       D       I         E       G       G         A       D       E         I       G       G       G         A       G       G       G         A       G       G       G         A       G       G       G         A       G       G       G         G	A		D
J       65. From each of the two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is three times as large as the smaller. What is the ratio of the two numbers?       A         B       (a) 2 : 1       J         i       (b) 3 : 1       J         i       (c) 3 : 2       B         C       J       J         E       G       G         A       D       I         E       G       G         A       D       E         C       A       D         C       A       D         C       A       D         C       A       D         C       A       D         C       A       D         C       A       D         C       A       D         C       A       A         C       A       A         C       A       A	L		E
J       65. From each of the two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is three times as large as the smaller. What is the ratio of the two numbers?       L         B       (a) 2 : 1       J         i       (b) 3 : 1       J         i       (c) 3 : 2       B         C       (d) None       B         D       I       I         E       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I         I       I       I <td>-</td> <td></td> <td>А</td>	-		А
B       (a) 2 : 1       J         I       (b) 3 : 1       J         G       (c) 3 : 2       B         D       I       I         E       G       G         A       D       E         E       G       A         L       E       A         I       I       I         I       I       <	J		
(c) 3 : 2       B         (d) None       I         E       G         A       D         L       E         E       A         .       .	В	(a) 2 : 1	-
G (d) None B I I I I I I I I I I I I I I I I I I	1		1
D I I I I I I I I I I I I I I I I I I I	G		В
A D L E	D		I
L E	E		G
L E	А		D
E	L		
	E		
JbigDeal JbigDeal JbigDeal Download from WWW.JbigDeal.in Powered By © <mark>JbigDeal</mark> JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal	•		A
	<u>Jbig<mark>D</mark>eal</u>	<u>JbigDeal JbigDeal</u> Download from WWW.JbigDeal.in Powered By © JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal	<u>Jbig<mark>D</mark>eal</u>

#### <u>Jbig<mark>D</mark>eal</u>

Jbig<mark>D</mark>eaL

J

В

Т

G

D

Е

А

L

L

J

В

I

G

D

Е

А L

> J В

G D Е Α L Α J В Т G D Ε Α

> 1 В

> G D Е Α

Ε

Т

В

I

G

D

Е

А

L

J

В

I

G

## Download from WWW.JbjgDeaLin Powered By © JbjgDeaL™

66. Three identical cones with base radius r are placed on their bases so that each is touching the other two. The radius of the circle drawn through their vertices is

(a) smaller than r.

(b) equal to r. (c) larger than r.

(d) depends on the height of the cones.

67. The line AB is 6 metres in length and is tangent to the inner one of the two concentric circles at point C. It is known that the radii of the two circles are integers. The radius of the outer circle is

- (a) 5 metres
- (b) 4 metres
- (c) 6 metres
- (d) 3 metres

68. Four cities are connected by a road network as shown in the figure. In how many ways can you start from any city and come back to it without travelling on the same road more than once?

$\mathcal{A}$	C
	E
	1
(a) 8 (b) 12	L
(b) 12 (c) 16	E
(d) 20	I
<u>O</u> 69 and 70 : Use the following information :	G
Eighty five children went to an amusement park where they could ride on the merry – go round, roller coaster, and Ferris	C
wheel. It was known that 20 of them took all three rides, and 55 of them took at least two of the three rides. Each ride cost Re. 1, and the total receipt of the amusement park was Rs. 145.	E
69. How many children did not try any of the rides?	A
(a) 5	L
(b) 10 (c) 15	
(d) 20	
70. How many children took exactly one ride?	I
(a) 5	I
(b) 10	(
(c) 15 (d) 20	[
	E
71. John bought five mangoes and ten oranges together for forty rupees. Subsequently, he returned one mango and got two oranges in exchange. The price of an orange would be	ļ
(a) 1 (b) 2	L
(b) 2 (c) 3	
(d) 4	l
72. The number of positive integers not greater than 100, which are not divisible by 2, 3 or 5 is	E
(a) 26	I
(b) 18 (c) 31	(
(d) None	[
	E
	ļ

G

D

F

A

L

Т

J

В

G

D

Е

Α

L

J

В

G

D

Е

Α

L

А

В

T

G

D

F

Δ

В

G

D

F

Е

**JbigDeal** 

Jbig<mark>D</mark>eaL

**JbigDeal** 

Jbig<mark>D</mark>eaL

В

### Download from WWW.JbjgDeaLin Powered By © JbjgDeaL

T 73. Let  $u_{n+1} = 2u_n + 1(n = 0, 1, 2, ...)$  and  $u_0 = 0$ . Then  $u_{10}$  nearest to G (a) 1023 D (b) 2047 (c) 4095 F (d) 8195 Q74 and 75 : Т A function f(x) is said to be even if f(-x)=f(x), and odd if f(-x) = -f(x). Thus, for example, the function given by  $f(x) = x^2$  is even, while the function given by  $f(x) = x^3$  is odd. Using this definition, answer the following questions. В 74. The function given by  $f(x) = |x|^3$  is (a) even T (b) odd G (c) neither (d) both D F 75. The sum of two odd functions (a) is always an even function Α (b) is always an odd function (c) is sometimes odd and sometimes even Т (d) may be neither odd nor even 76. A five digit number is formed using digits 1, 3, 5, 7 and 9 with out repeating any one of them. What is the sum of all В such possible numbers? (a) 6666600 T (b) 6666660 (c) 6666666 G (d) None D 77. A box contains 6 red balls, 7 green balls and 5 blue balls. Each ball is of a different size. The probability that the red ball Е selected is the smallest red ball, is (a) 1/18 A (b) 1/3 Т (c) 1/6 (d) 2/3 Q78 and 79, use the following information: B ABC forms an equilateral triangle in which B is 2 km from A. A person starts walking from B in a direction parallel to AC and stops when he reaches a point D directly east of C. He, then, reverses direction and walks till he reaches a point E directly south of C. G 78. Then D is D Е (a) 3 km east and 1 km north of A (b) 3 km east and  $\sqrt{3}$  km north of A Α (c)  $\sqrt{3}$  km east and 1 km south of A (d)  $\sqrt{3}$  km west and 3 km north of A 79. The total distance walked by the person is В (a) 3 km (b) 4 km (c)  $2\sqrt{3}$  km G (d) 6 km D F Download from www.JbigDeaL.in Powered By © JbigDeaL **JbigDeaL** JbigDeaL **JbigDeal JbigDeal JbigDeaL JbigDeal** JbigDeaL **JbigDeaL** 

Download from www.JbigDeal.in Powered By © JbigDeal

Jbig<mark>D</mark>eaL

**JbigDeaL** 

**JbigDeaL** 

**JbigDeal** 

	Download from WWW.JbjgDeaLin Powered By © JbjgDeaL™
	A slab of ice 8 inches in length, 11 inches in breadth, and 2 inches thick was melted and resolidified to the form of a rod of 8 inches diameter. The length of such a rod, in inches, is nearest to
(b) (c)	3.5
cal	Let $x < 0.50$ , $0 < y < 1$ , $z > 1$ . Given a set of numbers, the middle number, when they are arranged in ascending order, is led the median. So the median of the numbers x, y, and z would be less than one
(b) (c)	between 0 and 1 greater than 1 cannot say
(a)	The maximum possible value of $y = \min(1/2 - 3x^2/4, 5x^2/4)$ for the range $0 < x < 1$ is $1/3$
	<sup>4</sup> 2 5/27 5/16
fini	A group of workers was put on a job. From the second day onwards, one worker was withdrawn each day., The job was ished when the last worker was withdrawn. Had no worker been withdrawn at any stage, the group would have finished job in two-thirds the time. How many workers were there in the group?
(a) (b) (c)	2 3
(d)	
	Consider the five points comprising of the vertices of a square and the intersection point of its diagonals. How many ingles can be formed using these points? 4
(b) (c) (d)	8
and	Out of 100 families in the neighbourhood, 45 own radios, 75 have TVs, 25 have VCRs. Only 10 families have all three leach VCR owner also has a TV. If 25 families have radio only, how many have only TV?
(a) (b) (c)	35
(d)	
<u>0</u> 8	6 to 88 : The fo llowing functions have been defined for three numbers A, B and C :
	@ (A,B) = average of A and B *(A,B) = product of A and B
An	/(A,B) = A divided by B swer these questions with the above data.
	If $A = 2$ and $B = 4$ , the value of $@(/(*(A,B),B),A)$ would be
(a) (b)	4
(c) (d)	

Ih <u>Jbig<mark>D</mark>eal</u> i <u>JbigDeal</u>

<u>Jbig<mark>D</mark>eal</u>

J В I G

D Е A L L J В I G D

> Е А L

J В I G D

Е А L А J В Т G D

> Е А L

> > 1 В T G

D Е

Α L Е <u>JbigDeal</u>

	JbigDeal In JbigDeal I Jbi	g <mark>D</mark> eaL
	Download from WWW.JbjgDeaLin Powered By © JbjgDeaL™	
i	87. The sum of A and B is given by	
)	(a) *( $@(A,B),2$ ) (b) /( $@(A,B),2$ )	
	(c) $@(*(A,B),2)$	
L .	(d) $@(/(A,B),2)$	
	88. The sum of A, B, and C is given by	
	(a) $(@(*(@(B,A),2),C),3)$ (b) $/(@(*(@(B,A),3),C),2)$	
	(c)/(*(@(*(B,A),2),C),3)	
3	(d) None of these	
	89. A report consists of 20 sheets each of 55 lines and each such line consist of 65 characters. This report is retyped into	
G	sheets each of 65 lines such that each line consists of 70 characters. The percentage reduction in number of sheets is closest to	
)	(a) 20	
	(b) 5 (c) 30	
A	(d) 35	
-	90. Let $x < 0$ , $0 < y < 1$ , $z > 1$ . Which of the following may be false?	
J	(a) $(x^2 - z^2)$ has to be positive.	
	<ul><li>(b) yz can be less than one.</li><li>(c) xy can never be zero.</li></ul>	
в	(d) $(y^2 - z^2)$ is always negative.	
l	91. A young girl counted in the following way on the fingers of her left hand. She started calling the thumb 1, the index	
G	finger 2, middle finger 3, ring finger 4, little finger 5, then reversed direction, calling the ring finger 6, middle finger 7,	
D	index finger 8, thumb 9, then back to the index finger for 10, middle finger for 11, and so on. She counted up to 1994. She ended on her.	
E	(a) thumb	
A	(b) index finger	
L	(c) middle finger (d) ring finger	
J		
В	Q92 to 94 : Use the following information: Q started to move from point B towards point A exactly an hour after P started from A in the opposite direction. Q's speed	
I	was twice that of P. When P had covered one-sixth of the distance between the points A and B, Q had also covered the same	
G	distance.	
D	92. The point where P and Q would meet is	
E	(a) Closer to A (b) Exactly between A and B	
A	(c) Closer to B	
L	(d) P and Q will not meet at all	
-	93. How many hours would P take to reach B?	
1	(a) 2 (b) 5	
В	(c) 6	
I	(d) 12	
G	94. How many more hours would be P (compared to Q) take to complete his journey?	
D	(a) 4 (b) 5	
E	(c) 6	
A	(d) 7	
L		
E		
•	<u>JbigDeal JbigDeal Download from WWW.JbigDeal.in Powered By © JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal</u>	JbigD

J В Т G D Е А L L J В I G D Е А L

J В Т G D Е А L А J В Т G D Е А L

lh	<u>JbigDeal</u>	i	<u>JbigDeal</u>
----	-----------------	---	-----------------

J

# Download from WWW.JbjgDeal.in Powered By © JbjgDeal™

<u>Jbig<mark>D</mark>eal</u>

J

В I G D Е А L L J В I G D Е А L

> J В I G D Е А L А J В Т G D Е А L

> > J В T G D Е Α L Ε

<u>JbigDeal</u>

(c) 80 (d) 86
96. The diameter of a hollow cone is equal to the diameter of a spherical ball. If the ball is placed at the base of the cone,
what portion of the ball will be outside the cone? (a) 50%
(b) less than 50% (c) more than 50%
(d) 100%
97. A ship leave on a long voyage. When it is 18 miles from the shore, a seaplane, whose speed is ten times that of the ship,
is sent to deliver mail. How far from the shore does the seaplane catch up with the ship? (a) 24 miles
(b) 25 miles
(c) 22 miles
(d) 20 miles
98. The product of all integers from 1 to 100 will have the following numbers of zeros at the end. (a) 20
(a) 20 (b) 24
(c) 19 (l) 22
(d) 22
99. Let x, y and z be distinct positive integers satisfying $x < y < z$ and $x + y + z = k$ . What is the smallest value of K that
does not determine x, y, z uniquely? (a) 9
(b) 6
(c) 7 (d) 8
100. Amar, Akbar, and Anthony came from the same public school in the Himalayas. Every boy in that school either fishes for trout or plays frisbee. All fishermen like snow while no frisbee player likes rain. Amar dislikes whatever Akbar likes and
likes whatever Akbar dislikes. Akbar likes rain and snow. Anthony likes whatever the other two like. Who is a fisherman
but not a frisbee player?
(a) Amar (b) Akbar
(c) Anthony
(d) None

G

D

F

A

1

В

G

Е

Α

L

В

G

Ε

A

А

В

G

D

### Download from WWW.JbigDeaLin Powered By © JbigDeaL

SECTION III

B

G

D

F

Т

В

T

G

D

F

Α

Т

В

Т

G

D

Е

A

Т

B

G D E

B

G D F

**JbigDeal** 

**JbigDeaL** 

Jbiq<mark>D</mark>eaL

<u>O</u>101 to 150: Each passage in this part is followed by questions based upon its contents. Read the passage carefully and choose the best answer for each question.

Passage - 1

Emile Durkheim, the first person to be formally recognized as a sociologist and the most scientific of the pioneers, conducted a study that stands as a research model for sociologists today. His investigation of suicide was, in fact, the first sociological study to use statistics. In *suicide* (1964, originally published in 1897) Durkheim documented his contention that some aspects of human behaviour – even something as allegedly individualistic as suicide – can be explained without reference to individuals.

Like all of Durkheim's work, suicide must be viewed within the context of his concern for social integration. Durkheim wanted to see if suicide rates within a social entity (for example, a group, organization, or society) are related to the degree to which individuals are socially involved (integrated and regulated). Durkheim describes three types of suicide: egoistic, anomic, and altruistic. Egoistic suicide is promoted when individuals do not have sufficient social ties. S ince single (never married) adults, for example, are not heavily involved with the family life, they are more likely to commit suicide than are married adults. Altruistic suicide on the other hand, is more likely to occur when social integration is too strong. The ritual suicide of Hindu widows on their husbands funeral pyres is one example. Military personnel, trained to lay down their lives for their country, provide another illustration.

Durkheim's third type of suicide anomic suicide increases when the social regulation of individuals is disrupted. For example, suicide rates increase during economic depressions. People who suddenly find themselves without a job or without hope of finding one are more prone to kill themselves. Suicides may also increase during period of prosperity. People may loosen their social ties by taking new jobs, moving to new communities, or finding new mates.

Using data from the government population reports o several countries (much of it from the French Government Statistical Office), Durkheim found strong support for his line reasoning. Suicide rates were higher among single than married people, among military personnel than civilians, among divorced than married people, and among people involved in nationwide economic crises.

It is important to realize that Durkheim's primary interest was not in the empirical (observations) indicators he used such as suicide rates among military personnel, married people, and so forth. Rather, Durkheim used the following indicators to supp ort several of his contentions: (1) Social behavior can be explained by social rather than psychological factors; (2) suicide is affected by the degree of integration and regulation within social entities; and (3) Since society can be studied scientifically, sociology is worthy of recognition in the academic world. Durkheim was successful on all three counts.

Jbig <mark>D</mark> eaL	<u>JbigDeal JbigDeal Download from WWW.JbigDeal.in</u> Powered By © JbigDeal <sup>Jb</sup>	ig <mark>D</mark> eaL
E		
A		
E		
D		
G	(c) to categorize various types of suicides. (d) to document that social behavior can be explained by social rather than psychological factors.	
I	(b) to provide an explanation of the variation in the rate of suicide across societies.	
В	102. In his study of suicide Durkheim's main purpose was (a) to document that suicide can be explained without reference to the individual.	
J		
-	<ul><li>(c) egoistic suicide.</li><li>(d) None of the above.</li></ul>	
	(b) anomic suicide.	
A	(a) altruistic suicide.	
E	101. Higher suicide rate during rapid progress in a society is a manifestation of	



J

# Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

<u>Jbig<mark>D</mark>eal</u>

J

В

I G

D

Е

А

L L J. В

> I G D

Е

А

L

J В I

G D

Е

А

L

А J В

Т

G D

Е

А

L

1

Е

<u>JbigDeal</u>

103. Increase in the suicide rate during economic depression is an example of
(a) altruistic suicide.
(b) anomic suicide. (c) egoistic suicide.
(d) Both a and c.
104. Single adults not heavily involved with family life are more likely to commit suicide. Durkheim categorized this as
(a) anomic suicide. (b) altruistic suicide.
(c) egoistic suicide.
(d) Both (b) and (c)
105. According to Durkheim, suicide rates within a social entity can be explained in terms of
(a) absence of social ties.
<ul><li>(b) disruption of social regulation.</li><li>(c) nature of social integration.</li></ul>
(d) All of the above.
106. According to Durkheim, altruistic suicide is more likely among
(a) military personnel than among civilians. (b) single people than among married people.
(c) divorcees than among married people.
(d) people involved in nationwide economic crises.
107. Basing himself on his own indicators. Durkheim was
(a) right on some counts, not others. (b) vindicated on all counts.
(c) wrong but did not realize that he was right.
(d) substantially correct but formally wrong.
108. To support his contentions, Durkheim relied on the following indicators
(a) social behaviour is explicable predominantly through social factors.
(b) suicide is contingent upon the degree of regulation and interaction.
(c) recognizing sociology is to acknowledge that society is susceptible to scientific investigation.
(d) All of the above.
109. Ritual suicide of Hindu widows on their husband's funeral pyres is
(a) a manifestation of strong social integration.
(b) an example of brutality against women.
(c) an example of anomic suicide.
(d) an example of egoistic suicide.
Passage – 2
How quickly things change in the technology business! A decade ago, IBM was the awesome and undisputed king of the
computer trade, universally feared and respected. A decade ago, two little companies called Intel and Microsoft were mere
blips on the radar screen of the industry, upstart start-ups that had signed on to make the chips and software for IBM's new
line of personal computers. Though their products soon became industry standards, the two companies remained protected children of the market leader.
What happened since is a startling reversal of fortune. IBM is being ravaged by the worst crisis in the company's 79 year
history. It is undergoing its fifth restructuring in the past seven years as well as seemingly endless rounds of job cuts and
firings that have eliminated 100,000 jobs since 1985. Last week IBM announced to its shell-shocked investors that it lost \$4.97 billion last year – the biggest loss in American corporate history.
And just when IBM is losing ground in one market after another, Intel and Microsoft have emerged as the computer industry's most fearsome pair of competitors. The numbers on Wall Street tell a stunning story. Ten years ago, the market
value of the stock of Intel and Microsoft combined amounted to about a tenth of IBM's. Last week, with IBM's stock at an
The of the stock of mer and interesting contained anothing to about a tenth of iDivi 5. Last week, with iDivi 5 slock at all

<u>Jbig<mark>D</mark>eaL</u>	JbigDeal. In JbigDeal i Jbig	<mark>Deal</mark>
	Download from WWW.JbjgDeaLin Powered By © <u>JbjgDeaL</u> ™	
J		
В		1
I		В
G		I
D		G
E		D
A		E
		A
L		L
J		L
В	Richard Shaffer publisher of the Computer Letter "Now even IBM is in danger of being trampled by the	J
I		В
G	Although Intel and Microsoft still have close relationships with Big Blue, there is little love lost between IBM and its potent	I
D	progeny. IBM had an ugly falling-out with former partner Microsoft over the future of personal-computer software. Microsoft developed the now famous disk operating system for IBM-PC – called DOS – and later created the operating	G
E	software for the next generation of IBM personal computers, the Personal System/2. When PS/2 and is operating system,	D
A	OS/2, failed to catch on, a feud erupted over how the two companies would upgrade the system. Although they publicly patched things up, the partnership was tattered. IBM developed its own version of OS/2, which has so far failed to capture	E
L	the industry's imagination. Microsoft's competing version, dubbed New Technology, or NT, will debut in a few months and	
	will incorporate Microsoft's highly successful Windows program, which lets users juggle several programs at once.	A
J	Windows NT, however, will offer more new features, such as the ability to link many computers together in a network and to safeguard them against unauthorized use.	L
В		J
I	IBM and Intel have also been parting company. After relying almost exclusively on the Santa Clara, California company for the silicon chips that serve as computer brains, IBM has moved to reduce its dependence on Intel by turning to competing	В
G	vendors. In Europe, IBM last year began selling a low-cost line of PC's called Ambra, which runs on chips made by Intel	I
D	rival Advanced Micro Devices. IBM also demonstrated a sample PC using a chip made by another Intel enemy, Cyrix. And that October IBM said it would begin selling the company's own chips to outsiders in direct competition with Intel.	
E		G
A	IBM clearly fells threatened. And the wounded giant still poses the biggest threat to any further dominance by Intel and Microsoft. Last year, it teamed up with both companies most bitter rivals – Apple Computers and Motorola – to develop	D
L	advanced software and microprocessors for a new generation of desktop computers. In selecting Apple and Motorola, IBM	E
А	bypassed its longtime partners. Just as Microsoft's standard operating system runs only on computers built ar computer chips, Apple's software runs only on Motorola's chips. Although IBM has pledged that the new system will	A
1	eventually run on a variety of machines, it will initially run only computer programs written for Apple's Macintosh or	L
В	. Its competitive juice now flowing, IBM last week announced that it and Apple Computer will deliver the operating system in 1994 – a year ahead of schedule.	J
I		В
G	110. As a result of greater competition in the US Computer industry (a) some computer companies are expanding while others are contracting.	I
D	(b) employment in the industry is going down.	G
E	<ul><li>(c) the industry is becoming more monopolized.</li><li>(d) the share value of IBM is going up relative to that of Intel and Microsoft.</li></ul>	D
A		
L	<ul><li>111. Which of the following statements is <u>not</u> implied by the passage?</li><li>(a) The market of microchips and software's are becoming leaders in the computer industry.</li></ul>	E
J	(b) Wang and Unisys are primarily manufacturers of computers.	A
В	<ul><li>(c) IBM laying off workers in the biggest job cut in American corporate history.</li><li>(d) Intel is based in California.</li></ul>	L
I		J
G	<ul><li>112. The personal computer called Ambra is marketed by:</li><li>(a) Cyrix.</li></ul>	В
D	(b) IBM .	I
E	(c) Intel. (d) Microsoft.	G
A		ח
L		-
E		E
		A
<u>Jbig<mark>D</mark>eal</u>	<u>JhigDeal JhigDeal</u> Download from <b>WWW.JbigDeal.in</b> Powered By © <mark>JhigDeal</mark> JhigDeal JhigDeal JhigDeal	<u>Jbig<mark>D</mark>ea</u>

Download from www.JbigDeaL.in Powered By © JbigDeaL <u>JbigDeal JbigDeal JbigDeal JbigDeal</u> Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL <u>Jbig<mark>D</mark>eaL</u> <u>Jbig<mark>D</mark>eal</u>

#### Ih <u>Jbig<mark>D</mark>eal</u> i <u>JbigDeal</u>

J

# Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

<u>JbigDeal</u>

J

В

<u>JbigDeal</u>

		В
I C	113. Why is something that happened 70 years ago in the US auto industry being mentioned here?	I
G	(a) General Motors broke away from Ford Motors.	G
D	(b) A new company went ahead of an established market leader. (c) Like Dr. Frankenstein, Ford Motor created a monster in General Motors.	D
E	(d) Microsoft, Intel and AT&Twere originally created by IBM.	E
A		
L L	114. Who is mentioned as the principal supplier of silicon chips to IBM? (a) AT&T.	A
J	(b) Microsoft.	L
	(c) Cyrix. (d) Intel.	J
B	(d) inter.	
I	115. One possible conclusion from the passage is that	В
G	<ul><li>(a) share prices are not a good indicator of a company's performance.</li><li>(b) firing workers restores a company's health.</li></ul>	I
D	(c) all companies ultimately regret being a Dr. Frankenstein to some other company.	G
E	(d) consumers gain as a result of competition among producers.	D
A	116. Which of the following statements is true?	E
L	(a) IBM plans to introduce a new system that will run on a variety of machines.	А
	(b) IBM's new generation desk top computers will run only on Motorola's chips. (c) IBM is working out a joint strategy with Apple to force Motorola to supply chips at a lower price.	
J	(d) IBM is going to sell its own chips to Apple and Motorola.	L
В		J
I	117. Many computers will be linked together through a network in a system developed by (a) IBM.	В
G	(b) Apple.	
D	<ul><li>(c) Microsoft.</li><li>(d) None of the above.</li></ul>	I
E	(d) None of the above.	G
	118. What was the original reason for the feud between IBM and Microsoft?	D
A	<ul><li>(a) The two companies developed competing software's.</li><li>(b) Microsoft and Intel teamed up against IBM.</li></ul>	E
L	(c) IBM began to purchase microchips from Intel instead of Microsoft.	А
J	(d) IBM made loses while Microsoft made profits.	L
В	Passage – 3	
I		J
G	Environmental protection and nanagement is deservedly attracting a lot of attention these days. This is a desirable development in the face of the alarming rate of natural resource degradation which greatly hampers their optimal utilization.	В
D	When waste waters emanating from municipal sewage, industrial effluent, agriculture and land runoffs, find their way either	I
E	to ground water reservoirs or other surface water sources, the quality of water deteriorates, rendering it unfit for use. The	G
	natural balance is distributed when concentrated discharges of waste water is not controlled. This is because the cleansing forces of nature cannot do their job in proportion to the production of filthy matter.	D
A		
L	According to the National Environment Engineering and Reasearch Institute (NEERI), a staggering 70 percent of water available in the country is polluted. According to the Planning Commission "From the Dal lake in the North to the Chaliyar	E
J	river in the South From Damodar and Hoogly in the East to the Thane Creek in the West, the picture of water pollution is	A
В	uniformly gloomy. Even our large perennial rivers, like the Ganga, are today are heavily polluted".	L
I	According to one study, all the 14 major rivers of India are highly polluted. Beside the Ganga, these rivers include the	J
G	Yamuna, Narmada, Godaver i, Krishna and Cauvery. These rivers carry 85 percent of the surface runoff and their drainage	В
	basins cover 73 percent of the country. The pollution of the much revered Ganga is due in particular to municipal sewage that accounts for <sup>3</sup> / <sub>4</sub> <sup>th</sup> of its pollution load. Despite India having legislation on water pollution [The Water (Prevention and	I
D	Control of Pollution) Act, 1974] and various water pollution control boards, rivers have today become synonymous with	
E	drains and sewers.	G
А		D
L		E
E		А
JbigDeaL	<u>IbigDeal</u> IbigDeal Download from WWW.JbigDeal.in Powered By © JbigDeal IbigDeal IbigDeal IbigDeal IbigDeal IbigDeal	Jbig <mark>D</mark> eal
/#IYUQL	<u>JhigDeal</u> JhigDeal Download from WWW.JDIQUCAL.IN Powered By © JDIQUCAL Angucal Angucal Angucal Angucal Angucal Angucal	

<u>JbigDeal JbigDeal JbigDeal JbigDeal</u> Download from www.JbigDeal.in Powered By © JbigDeal <u>Jbig<mark>D</mark>eaL</u> <u>Jbig<mark>D</mark>eal</u> Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL

G

D

F

A

B

G

E

А

В

G

F

Δ

Α

В

G

D

Download from WWW.JbigDeaLin Powered By © JbigDeaL™

Untreated community wastes discharged into water courses from human settlements account for four times as much waste water as industrial effluent. Out of India's 3,119 towns and cities, only 217 have partial (209) or full (8) sewerage treatment facilities and cover less than a third of the urban population. Statistics from a report of the Central Board for Prevention and Control of Water Pollution. Statistics from a report of the Central Board for Prevention and Control of Water Pollution reveal that 1,700 of 2,700 water using industries in India are polluting the water around their factories. Only 160 industries have waste water treatment plants. One estimate suggests that the volume of waste water of industrial origin will be comparable to that of domestic sewerage in India by 2000 AD. Discharges from agricultural fields, which carry fertilizing ingredients of nitrogen, phosphorous and pesticides are expected to be three times as much as domestic sewage. By that date, thermal pollution generated by discharges from thermal power plants will be the largest in volume.

Toxic effluents deplete the levels of oxygen in the rivers, endanger all aquatic life and render water absolutely unfit for human consumption, apart from affecting industrial production. Sometimes these effects have been disastrous. A recent study reveals that the water of the Ganga, Yamuna, Kali and Hindon rivers have considerable concentrations of heavy metals due to inflow of industrial wastes, which pose a serious health hazard to the millions living on their banks. Similarly, the Cauvery and Kapila rivers in Karnataka have been found to contain metal pollutants, which threaten the health of people in riverine towns. The Periyar, the largest river of Kerala, receives extremely toxic effluent that result in high incidence of skin problems and fish kills. The Godavari of Andhera Pradesh and the Damodar and Hoogly in West Bengal receive untreated industrial toxic wastes. A high level of pollution has been found in the Yamuna, while the Chambal of Rajasthan is considered the most polluted river in Rajasthan. Even in industrially backward Orissa, the Rushikula river is extremely polluted. The fate of the Krishna in Andhra Pradesh, the Tungabhadra in Karnataka, the Chaliyar in Kerala, the Gomti in U.P., the Narmada in M.P. and the Sone and the Subarnarekha rivers in Bihar is no different.

According to the W.H.O.- eighty percent of diseases prevalent in India are water-borne; many of them assume epidemic proportions. The prevalence of these diseases heighten under conditions of drought. It is also estimated that India loses as many as 73 million man-days every year due to water prone diseases, costing Rs. 600 crore by way of treatment expenditure and production losses. Management of water resources with respect to their quality also assumes greater importance especially when the country can no more afford to waste water.

The recent Clean-the Ganga Project with an action plan estimated to cost the exchequer Rs.250 crore (which has been accorded top priority) is a trend setter in achieving this goal. The action plan evoked such great interest that offers of assistance have been received from France, UK, US and the Netherlands as also the World Bank. This is indeed laudable. Poland too has now joined this list. The very fact that these countries have volunteered themselves to contribute their mite is a healthy reflection of global concern over growing environmental degradation and the readiness of the international community to participate in what is a truly formidable task. It may be recalled that the task of cleansing the Ganga along the Rishikesh - Hardwar stretch under the first phase of the Ganga Action Plan has been completed and the results are reported to be encouraging.

The reasons for the crisis of drinking water resources are drying up and the lowering of ground water through overpumping; this is compounded by the pollution of water sources. All these factors increase the magnitude of the problem. An assessment of the progress achieved by the end of March 1985, on completion of the first phase of the International Drinking Water Supply and Sanitation Decade (1981 – '91) reveals that drinking water has been available to 73 percent of the urban population and 56 percent of the rural population only. This means that nearly half the country's rural population has to get drinking water facilities. This needs to be urgently geared up especially when considered against the Government's professed objective of providing safe drinking water and sanitation to all by the end of the International Drinking Water Supply and Sanitation Decade i.e. March 1991. The foremost action in this would be to clean up our water resources.

As per surveys conducted by the NEERI, per capita drinking water losses in different cities in the country range between 11,000 to 31,000 litres annually. This indicates a waste level of 20 to 35 percent of the total flow of water in the distribution system primarily due to leaks in main and household service pipes. Preventive maintenance programme would substantially reduce losses, wastages and would certainly go a long way in solving the problem.

According to the Union Ministry of Works and Housing, of the 2.31 lakhs problem villages most have been provided with at least one source of drinking water as of March, 1986. The balance (38,748) villages are expected to be covered during the seventh plan. A time bound national policy on drinking water is being formulated by Government, wherein the task is proposed to be completed by the end of the seventh plan. An outlay of Rs. 6,522.47 crores has been allotted for the water supply and sanitation sector in the seventh plan period against an outlay of Rs. 3,922.02 crores in the sixth plan. Of this, outlay for rural water supply sector is Rs. 3,454.47 crores. It is expected that this outlay would help to cover about 86.4

Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL **JbigDeaL** 

Jbig<mark>D</mark>eaL

**JbigDeal** 

Jbig<mark>D</mark>eaL

**JbigDeal** 

Jbig<mark>D</mark>eaL

Download from www.JbigDeal.in Powered By © JbigDeal

Т G D Е А L

J

В

Jbiq<mark>D</mark>eaL

JbiqDeaL

В T

G

D

Е

L

В

Е

А

L

J

B

Т

G

D

Е

А

L

J

В

G

D

F

**JbigDeal** 

JbigDeaL

**JbigDeal** 

Jbig<mark>D</mark>eaL

### Download from WWW.JbigDeaLin Powered By © JbigDeaL

**JbigDeal** 

В

G

D

F

A

L

Т

J

В

G

D

Е

Α

L

J

В

G

D

Е

Α

L

А

В

T

G

D

F

В

G

D

Е

Е

**JbiqDeal** 

В Т percent of the urban and 82.2 percent of the rural population with safe drinking water facilities by March 1991. Hygienic sanitation facilities would be provided to 44.7 percent and 1.8 percent of the urban and G rural population respectively within the same period. D 119. According to NEERI F (a) the extent of water pollution in the Dal Lake is grim. (b) 70 percent of the total water available in the country is polluted. Α (c) only 217 out of 3119 towns and cities have sewage treatment facilities. Т (d) all the 14 major rivers of India are highly polluted. 120. The degradation of natural resources will necessarily lead to (a) poor economic utilization of resources. В (b) contamination of water from municipal sewage. (c) water unfit for human consumption. T (d) none of the above. G 121. Which of the following statements has/ have been made by the W.H.O? D (a) Water-borne diseases account for 80 percent of all diseases prevalent in India. (b) Water-borne diseases in India create a loss of Rs. 600 crores every year. F (c) Both (a) and (b). Α (d) None of the above. Т 122. Which of the following statements is correct? (a) The river Periyar is in the South India. J (b) The river Periyar is the largest river of Kerala. (c) The river Gomti is also extremely polluted. В (d) All of the above are correct. Т 123. Municipal sewage pollutants account for G (a) the lowest percentage of water pollution (b) 75 percent of the Ganga's water pollution load. D (c) twice the volume of the waste water of industrial origin. Ε (d) three times as much as the discharge from agricultural fields. A 124. The crisis of drinking water is caused chiefly by (a) the green house effect. Т (b) water pollution caused by industrial development. (c) drying up of water sources and over pumping. (d) increasing urbanization. B 125. The cost of the 'Clean-the – Ganga Pollution' Project Action Plan is likely to be sourced from (a) the Indian exchequer. G (b) France, UK, US and the Netherlands. (c) the World Bank, Poland, UK. D (d) the US, UK, Netherlands, Poland, France, the World Bank and India. Ε 126. Considerable amounts of metal pollutants are found in the river(s) Α (a) Chambal of Rajasthan. (b) Rushikula in Orissa. (c) Damodar, Hoogly, Krishna and Gomti. (d) Ganga, Yamuna, Kali, Hindon, Cauvery and Kapila. J B 127. Out of the total outlay for water supply and sanitation in the seventh plan, rural water supply sector would receive (a) about 53 percent. (b) over 80 percent. G (c) between 65 to 80 percent. (d) equal to 44.7 percent. D F A **JbigDeaL** JbigDeaL **JbigDeal** Download from www.JbigDeaL.in Powered By © JbigDeaL **JbigDeal JbigDeaL JbigDeaL JbigDeaL JbigDeaL** 

JbigDeal JbigDeal

В

G

D

F

A

В

G

E

А

L

В

G

Ε

A

А

В

G

D

F

В

## Download from WWW.JbigDeaLin Powered By © JbigDeaL™

B

G

D

Ε

Т

В

T

G

D

F

Α

T.

J

В

T.

G

D

Е

А

L

J B

I

G

D

Е

А

L

J

В

G

D

**JbigDeal** 

JbigDeaL

**JbigDeal** 

Jbig Deal

128. The best remedy for shortage lies in

(a) putting up more pumps in rural areas.

(b) cleaning up polluted water.

(c) reducing the waste level of 25-30 percent of the total flow of water.

(d) constructing large sized dams.

#### Passage - 4

To teach is to create a space in which obedience to truth is practiced. Space may sound a vague, poetic metaphor until we realize that it describes experiences of everyday life. We know what it means to be in a green and open field; we know what it means to be on a crowded rush hour bus. These experiences of physical space have parallels in our relations with others. On our jobs we know what it is to be pressed and crowded, our working space diminished by the urgency of deadlines and competitiveness of colleagues. But then there are times when deadlines disappear and colleagues cooperate, when everyone has a space to move, invent and produce with energy and enthusiasm. With family and friends, we know how it feels to have unreasonable demands placed upon us, to be boxed in by the expectations of those nearest to us. But then there are times when we feel accepted for who we are (or forgiven for who we are not), times when a spouse or a child or a friend gives us the space, both to be and to become.

Similar experiences of crowding and space are found in education. To sit in a class where the teacher stuffs our minds with information, organizes it with finality, insists on having the answers while being utterly uninterested in our views, and focus us into a grim competition for grades – to sit in such a class is to experience a lack of space for learning. But to study with a teacher, who not only speaks but also listens, who not only answers but asks questions and welcomes our insights, who provides information and theories that do not close doors but open new ones, who encourages students to help each other learn – to study with such a teacher is to know the power of a learning space.

A learning space has three essential dimensions: openness, boundaries and an air of hospitality. To create open learning space is to remove the impediments to learning that we find around and within us; we often create them ourselves to evade the challenge of truth and transformation. One source of such impediments is our fear of appearing ignorant to others or to ourselves. The oneness of a space is created by the firmness of its boundaries. A learning space cannot extend indefinitely; if it did, it would not be a structure for learning but an invitation for confusion and chaos. When space boundaries are violated, the quality of space suffers. The teacher who wants to create an open learning space must define and defend its boundaries with care. Because the pursuit of truth can be painful and discomforting, the learning space must be hospitable. Hospitable means receiving each other, our struggles, our new-born ideas with openness and care. It means creating an ethos in which the community of truth can form and the pain of its transformation be borne. A learning space needs to be hospitable not to make learning painless, but to make painful things possible, things without which no learning can occur, things like exposing ignorance, testing tentative hypotheses, challenging false or partial information, and mutual criticism of thought.

The task of creating learning space with qualities of openness, boundaries and hospitality can be approached at several levels. The most basic level is the physical arrangement of the classroom, Consider the traditional classroom setting with row of chairs facing the lectern where learning space is confined to the narrow alley of attention between each student and teacher. In this space, there is no community of truth, hospitality of room for students to relate to the thoughts of each other. Contrast it with the chairs placed in a circular arrangement creating an open space within which learners can interconnect. At another level, the teacher can create conceptual space-space with words in two ways. One is through assigned reading; the other is through lecturing, assigned reading, not in the form of speed reading several hundred pages but contemplative reading which opens, not fills, our learning space. A teacher can also create a learning space by means of lectures. By providing critical information and a framework of interpretation, a lecturer can lay down boundaries within which learning occurs.

We also create learning space through the kind of speech we utter and the silence from which true speech emanates. Speech is a precious gift and a vital tool, but too often our speaking is an evasion of truth, a way of buttressing our self-serving reconstructions of reality. Silence must therefore be an integral part of learning space. In silence, more than in arguments, our mind made world falls away and we are open to the truth that seeks us. Words often divide us, but silence can unite. Finally teachers must also create emotional space in the class-room, space that allows feelings to arise and be dealt with because submerged feelings can undermine learning. In an emotionally honest learning space, one created by a teacher who does not fear dealing with feelings, the community of truth can flourish between us and we can flourish in it.

<u>JbigDeal JbigDeal JbigDeal</u>

Jbig<mark>D</mark>eaL

<u>L JbigDeaL</u>

Download from www.JbigDeaLin Powered By © JbigDeaL

<u>JhigDeal JhigDeal Download from www.JbigDeal.in</u> Powered By © JbigDeal <u>JhigDeal JhigDeal JhigDeal</u> JhigDeal JhigDeal

#### lh <u>Jbig<mark>D</mark>eal</u> i <u>JbigDeal</u>

J

# Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

<u>JbigDeal</u>

J

В I G D Е А L L J В I G D Е А L

> J В I G D Е А L А J

<u>JbigDeal</u>

		В
6	129. The task of creating learning space with qualities of openness, boundaries and hospitality is	I
)	multidimensional. It involves operating at (a) psychological and conceptual levels.	G
	(b) physical, perceptual and behavioral levels.	D
١	(c) physical, conceptual and emotional levels. (d) conceptual, verbal and sensitive levels.	E
		A
	130. The statement 'the openness of a space is created by the firmness of its boundaries' appears contradictory. Which of the following statements provides the best justification for the proposition?	L
	(a) We cannot have a space without boundaries.	
3	<ul><li>(b) Bounded space is highly structured.</li><li>(c) When space boundaries are violated, the quality of space suffers.</li></ul>	1
	(d) A teacher can effectively defend a learning space without boundaries.	В
6	131. According to the author, learning is a painful process because	I
)	(a) it exposes our ignorance.	G
E	<ul><li>(b) our views and hypotheses are challenged.</li><li>(c) it involves criticizing the views of other.</li></ul>	D
A	(d) All of the above reasons.	E
	132. Understanding the notion o space in our relations with other is	А
	(a) to acknowledge the beauty of a poetic metaphor.	L
J	<ul><li>(b) exclusively rooted in our experiences of physical space.</li><li>(c) to accept a spiritual dimension in our dealings with our peers.</li></ul>	
в	(d) to extend the parallel of physical space to our experiences in daily life.	1
-	133. Which of the following statements best describes the author's conception of learning space?	В
G	(a) Where the teacher is friendly.	I
D	<ul><li>(b) Where there is no grim competition for grades.</li><li>(c) Where the students are encouraged to learn about space.</li></ul>	G
E	(d) Where the teacher provides information and theories which open new doors and encourages students to help each other	D
A	learn.	E
L A	134. According to the author, silence must be an integral part of learning space because	А
J	<ul><li>(a) silence helps to unite us with others to create a community of truth.</li><li>(b) silent contemplation prepares us to construct our mind –made world.</li></ul>	L
В	(c) speaking is too often an exercise in the evasion of truth.	J
I	(d) speaking is too often a way of buttressing our self – serving reconstruction of reality.	В
G	135. Another way of describing the author's notion of learning space can be summarized in the following manner	в
D	<ul><li>(a) It is vital that learning be accompanied by unlearning.</li><li>(b) Learning encompasses such elements as courage, dignity and endeavour.</li></ul>	I
E	(c) An effective teacher recognizes the value of empathy.	G
A	(d) Encourage good learners, discourage indifferent ones.	D
L	136. According to the author, an effective teach does not allow	E
J	<ul><li>(a) feelings to arise within the learning space.</li><li>(b) silence to become an integral part of the learning space.</li></ul>	А
В	(c) learning space to be filled by speed reading of several hundred pages of assigned reading.	L
-	(d) violation of learning space boundaries.	J
G	137. An emotionally honest learning space can only be created by	В
D	<ul><li>(a) a teacher committed to joining the community of truth.</li><li>(b) a teacher who is not afraid of confronting feelings.</li></ul>	I
E	(c) a teacher who takes care not to undermine the learning process.	G
	(d) a teacher who worships critical silence.	
A		D
E		E
•		А
Jbig <mark>D</mark> eaL	IbigDeal IbigDeal Download from WWW.JbigDeal.in Powered By © IbigDeal IbigDeal IbigDeal IbigDeal IbigDeal IbigDeal	<u>Jbig<mark>D</mark>ea</u>

<u>JbigDeal JbigDeal JbigDeal JbigDeal</u> Download from www.JbigDeaL.in Powered By © JbigDeaL <u>Jbig<mark>D</mark>eaL</u> Jbig<mark>D</mark>eaL <u>Jbig<mark>D</mark>eal</u> Jbig<mark>D</mark>eaL



G

D

F

A

B

G

E

А

В

G

F

A

А

G

D

В

### Download from WWW.JbigDeaLin Powered By © JbigDeaL™

В Т

G

D

F

L

В

Т G

D

Е

А

T.

J

В

T.

G

D

Е

A

L

B

Т

G

D

Е

А

L

J

В

G

D F

**JbigDeal** 

JbigDeaL

**JbigDeal** 

Jbig Deal

138. Conceptual space with words can be created by

(a) assigned reading and lecturing.

(b) speed reading and written comprehension.

(c) gentle persua sion and deliberate action.

(d) creative extrapolation and illustrations.

#### Passage - 5

Management education gained new academic stature within US Universities and greater respect from outside during the 1960's and 1970's. Some observers attribute the competitive superiority of US corporations to the quality of business education. In 1978, a management professor, Herbert A. Simon of Carnegie Mellon University, won the Nobel Prize in economics for his work in decision theory. And the popularity of business education continued to grow, since 1960, the number of master's degrees awarded annually has grown from under 5000 to over 50,000 in the mid 1980's as the MBA has

By the 1980's, however, US business schools faced critics who charged that learning had little relevance to real business problems. Some went so far as to blame business schools for the decline in US competitiveness.

Amidst the criticisms, four distinct arguments may be discerned. The first is that business schools must be either unnecessary or deleterious because Japan does so well without them. Underlying this argument is the idea that management ability cannot be taught, one is either born with it or must acquire it over years f practical experience. A second argument is that business schools are overly academic and theoretical. They teach quantitative models that have little application to real world problems. Third, they give inadequate attention to shop floor issues, to production processes and to management resources. Finally, it is argued that the encourage undesirable attitudes in students, such as placing value on the short term and 'bottom line' targets, while neglecting longer term development criteria. In summary, some business executives complain that MBA's are incapable of handing day to day operational decisions, unable to communicate and to motivate people, and unwillingly to accept responsibility for following through on implementation plans. We shall analyze these criticisms after having reviewed experiences in other countries.

In contrast to the expansion and development of business education in the United States and more recently in Europe, Japanese business schools graduate no more than two hundred MBA's each year. The Keio Business School (KBS) was the only graduate school of management in the entire country until the mid 1970's and it still boasts the only two year masters programme. The absence of business schools in Japan would appear in contradiction with the high priority placed upon learning by its Confucian culture. Confuscian colleges taught administrative skills as early as 1630 and Japan wholeheartedly accepted Western learning following the Meiji restoration of 1868 when hundreds of students were dispatched to universities in US, Germany, England and France to learn the secrets of western technology and modernization. Moreover, the Japanese educational system is highly developed and intensely competitive and can be credited for raising the literary and mathematical abilities of the Japanese to the highest level in the world.

Until recently, Japan corporations have not been interested in using either local or foreign business schools for the development of their future executives. Their in-company training programs have sought the socialization of newcomers, the younger the better. The training is highly specific and those who receive it have neither the capacity nor the incentive to quit. The prevailing belief, says Imai, 'is a management should be born out of experience and many years of effort and not learnt from educational institutions.' A 1960 survey of Japanese senior executives confirmed that a majority (54%) believed that managerial capabilities can be attained only on the job and not in universities.

However, this view seems to be changing: the same survey revealed that even as early as 1960. 37% of senior executives felt that the universities should teach integrated professional management. In the 1980's a combination of increased competitive pressures and greater multi-nationalisation of Japanese business are making it difficult for many companies to rely solely upon internally trained managers. This has led to a rapid growth of local business programmes and a greater use of American MBA programmes. In 1982-83, the Japanese comprised the largest single group of foreign students at Wharton, where they not only learnt the latest techniques of financial analysis, but also developed worldwide contacts through their classmates and became Americanized, something highly useful in future negotiations. The Japanese, then do not 'do without' business schools, as is sometimes contended. But the process of selecting and orienting new graduates, even MBA's, into corporations is radically different than in the US. Rather than being placed in highly paying staff positions, new Japanese recruits are assigned responsibility for operational and even menial tasks. Success is based upon Japan's system of highly competitive recruitment and intensive in-company management development, which in turn are

**JbigDeal** JbigDeaL **JbigDeaL** 

Jbig<mark>D</mark>eaL

**JbigDeaL** 

Download from www.JbigDeaL.in Powered By © JbigDeaL

Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL **JbigDeal JbigDeal** Download from www.JbigDeal.in Powered By © JbigDeal Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL Jbiq<mark>D</mark>eaL



J

# Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

<u>JbigDeal</u>

J

В I G D Е А L L J В I G D Е А L

> J В I G D Е Α L А J В Т

<u>JbigDeal</u>

4	education, but extraordinary attention has been devoted to the development of managerial skills, both within the company and through participation in programmes spongered by the Productivity Cantor and other similar organizations.	
-	and through participation in programmes sponsored by the Productivity Center and other similar organizations.	А
-	139. The author argues that the Japanese system	L
3	<ul><li>(a) is better than the American system.</li><li>(b) Is highly productive and gives corporate leadership a long term view as a result of its strong traditions.</li></ul>	J
	<ul><li>(c) is slowly becoming Americanized.</li><li>(d) succeeds without business schools, where as the US system fails because of it.</li></ul>	В
G		I
C	140. The growth of popularity of business schools among students was most probably due to (a) Herbert A. Simon a management professor winning the Nobel Prize in economics.	G
Ē	(b) the gain in academic stature.	D
4	<ul><li>(c) the large number of MBA degree awarded.</li><li>(d) a perception that it was a 'passport to good life.'</li></ul>	E
_		
	141. According to the passage (a) learning, which was useful in the 1960's and 1970's became irrelevant in the 1980's.	A
J	(b) management education faced criticisms in the 1980's	L
В	(c) business schools are insensitive to the needs of industry.	L
I	(d) by the 1980's business schools contributed to the decline in US competitiveness.	В
G	142. A criticism that management education did not face was that	I
D	<ul><li>(a) it imparted poor quantitative skills to MBA's.</li><li>(b) it was unnecessarily and deleterious.</li></ul>	G
E	(c) it was irrevocably irrelevant.	
A	(d) it inculcated undesirable attitudes in students.	D
L	143. The absence of business schools in Japan	E
A J	<ul><li>(a) is due to the prevalent belief that management ability can only be acquired over years of practical experience.</li><li>(b) was due to the high priority placed on learning as opposed to doing in Confucian culture.</li></ul>	А
	(c) is hard to explain for the proponents of business education.	L
В	(d) contributed a great deal to their success in international trade and business.	L
I	144. The 1960's and 1970's can best be described as a period	В
G	<ul><li>(a) when quality business education contribute to the superiority of US corporations.</li><li>(b) when the number of MBA's rose from under 5,000 to over 50,000.</li></ul>	I
D	(c) when management education gained new academic stature and greater respect.	G
E	(d) when the MBA became more disreputable.	
A	145. US business schools faced criticism in the 1980's because	D
L	<ul><li>(a) of the decline in Japanese competitiveness.</li><li>(b) many critics felt the learning had little relevance to business problems.</li></ul>	E
J	(c) people realized that management ability cannot be taught.	A
В	(d) MBA's were unwilling to accept responsibility for implementation on the shop floor.	L
I	146. Training programmes in Japanese corporations have	J
G	<ul><li>(a) been based upon Confucian culture.</li><li>(b) sought the socialization of newcomers.</li></ul>	В
D	(c) been targeted at people who have neither the capacity nor the incentive to quit.	I
E	(d) been teaching people to do menial tasks.	G
A		D
L		
E		E
		А

lh	<u>Jbig<mark>D</mark>eaL</u>	i	<u>JbigDeaL</u>
----	------------------------------	---	-----------------

# Download from WWW.JbjgDeal.in Powered By © JbjgDeal™

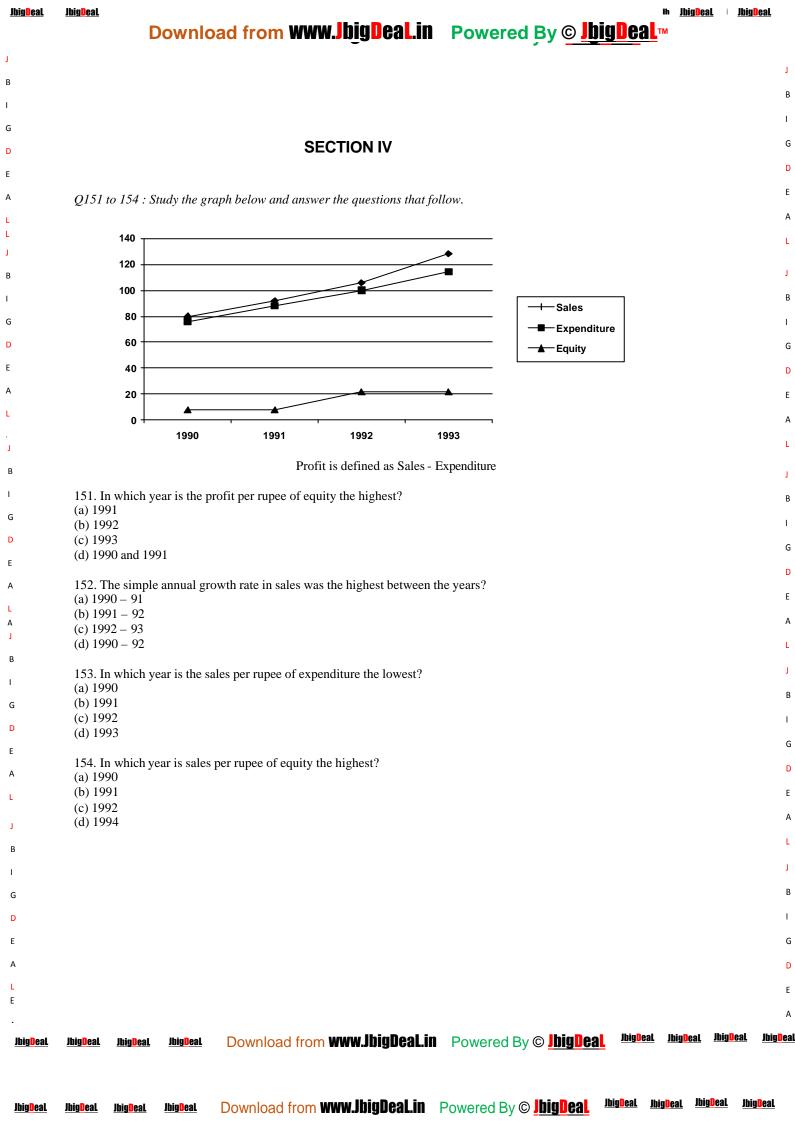
<u>JbigDeal</u>

J В I G D Е А L L J В I G D Е А L

> J В I G D Е Α L А J

<u>JbigDeal</u>

R		J
		В
I		I
G	147. The Japanese modified their views on management education because of (a) greater exposure to US MBA programmes.	G
D	(b) the need to develop worldwide contacts and become Americanized.	D
E	<ul><li>(c) the outstanding success of business schools in the US during the 1960's and 1970's.</li><li>(d) a combination of increased competitive pressures and greater multi-nationalisation of Japanese business.</li></ul>	
A		E
L	148. The Japanese were initially able to do without business schools as a result of (a) their highly developed and intensively competitive education system.	А
L 1	(b) dispatching hundreds of Western technology and modernization.	L
В	<ul><li>(c) their highly specific in-company training programmes.</li><li>(d) prevailing beliefs r egarding educational institutions.</li></ul>	L
	(u) prevaining beners regarding educational institutions.	В
1	149. The main difference between US and Japanese corporations is	
G	<ul><li>(a) that one employs MBA's the other does not.</li><li>(b) that US corporations do not employ Japanese people.</li></ul>	I
D	(c) that US corporations pay more to fresh recruits.	G
E	(d) in the process of selecting and orienting new recruits.	D
A	150. The author argues that	E
L	<ul><li>(a) Japanese do not do without business schools as is generally perceived.</li><li>(b) Japanese corporations do not hire MBA's because of traditions of universal and rigorous academic education, life long</li></ul>	А
J	employment and strong group identification.	L
	<ul><li>(c) placing MBA's in operational and menial tasks is a major factor in Japanese business success.</li><li>(d) US corporations should emulate the Japanese and change the way new recruits are induced.</li></ul>	
В	(a) of corporations should emutate the supariese and enange the way new rectarts are induced.	J
I		В
G		I
D		G
E		D
A		E
L		А
A J		
В		L
I		1
G		В
D		I
E		G
A		D
		E
L		^
J		
В		L
I		1
G		В
D		I
E		G
A		D
L		E
E		A
•		
<u>JbigDeaL</u>	<u>IbigDeal IbigDeal</u> Download from WWW.JbigDeal.in Powered By © JbigDeal IbigDeal IbigDeal IbigDeal IbigDeal IbigDeal	<u>l Jbig<mark>D</mark>eal</u>



<u>JbigDeal</u>	JbigDeal In JbigDeal I JbigT	<u>eal</u>
	Download from WWW.JbjgDeaLin Powered By © <u>JbjgDeaL</u> ™	
J		
В		J
I		В
G	Q155 to 158 are based on the following information:	I
D	Ghosh Babu has recently acquired four companies namely Arc – Net Technologies (ANT), Babu Anta	G
E	Transport (BAT), Charles Anter Tailor (CAT) and Daud Akbar Transistors (DAT). When the results of	D
A	the companies for the year $1992 - 93$ were placed before him. He found a few interesting things about them. While the profits of CAT and DAT were the same, the sales of CAT were the same as those of BAT. Profits of ANT were 10% of its	E
L	sales, where as the profits of BAT were 20% of its sales. While the total expenses of CAT were 5 times its profits, sales of DAT were 3 times its profits. The total expenses of CAT were Rs. 10,00,000, the total expenses of ANT were 10% less than	А
J	those of CAT.	L
В	Profits are defined as the difference between sales and total expenses.	J
I	155. Which company had the lowest sales?	В
G	(a) ANT (b) BAT	I
D	(c) CAT	G
E	(d) DAT	D
A	156. Which company had the highest total expenses? (a) ANT	E
L	(b) BAT	
	(c) CAT (d) DAT	A
1		L
В	157. Which company had the lowest profits? (a) ANT	J
I	(b) BAT	В
G	(c) CAT (d) DAT	T
D	158. Which company had the highest profits.	G
E	(a) ANT	D
A	(b) BAT (c) CAT	E
L A	(d) DAT	A
J		L
В		J
I		В
G		I
D		G
E		D
A		F
L		L A
1		A
В		L
I		J
G		В
D		I
E		G
A		D
L E		E
		А
<u>Jbig<mark>D</mark>eaL</u>	<u>JbigDeal JbigDeal</u> Download from WWW.JbigDeal.in Powered By © JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal JbigDeal	<u>Jbig<mark>D</mark>ea</u>
		Deel

<u>IbigDeal</u> <u>IbigDeal</u>

#### lh <u>Jbig<mark>D</mark>eal</u> <u>JbigDeal</u>

1

В T

G

D

## Download from WWW.JbjgDeaLin Powered By © JbjgDeaL™

Q159 to 162 : Study the graph below and answer the questions.

**JbigDeal** 

1

В

G

D

F

А

L Т

Л

В

I

G

D

Е

Α

L

J

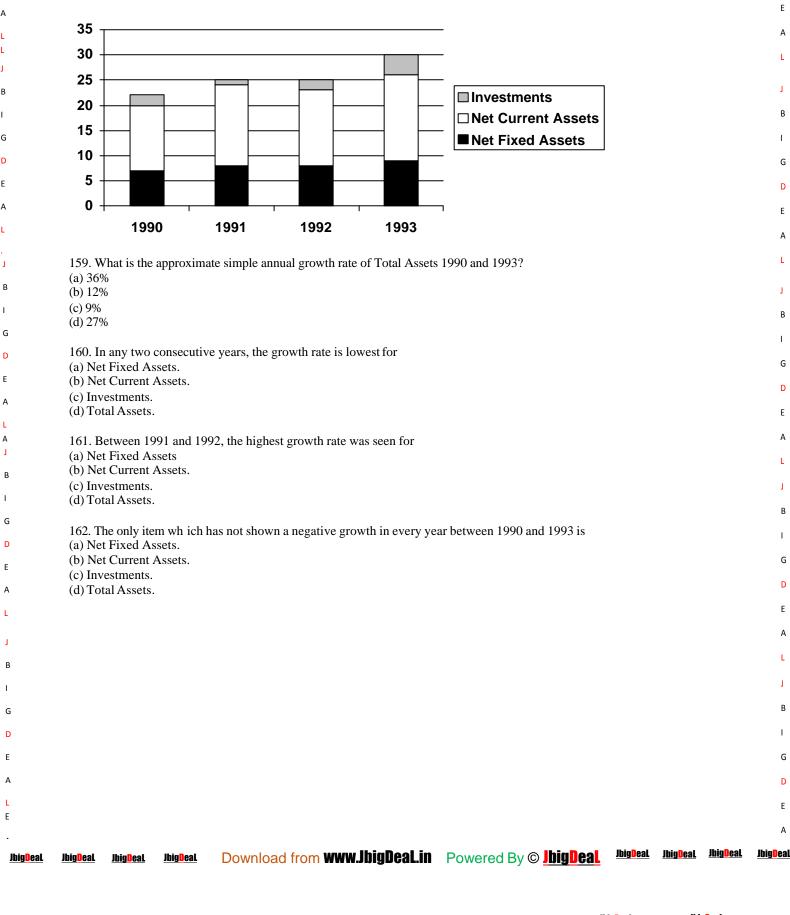
I

L

J

<u>JbigDeal</u>

Total Assets are defined as Net Fixed Assets + Net Current Assets + Investments



Download from www.JbigDeaLin Powered By © JbigDeal Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL **JbigDeaL** Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL

<u>Jbig<mark>D</mark>eal</u>	JbigDeal In JbigDeal I.	big <mark>D</mark> eaL
	Download from WWW.JbjgDeaLin Powered By © JbjgDeaL™	
I	·	
В		J
		В
G	Q163 to 166 : Use the following information:	I
D		G
	Swetha, Swarna, Sneha and Soumya are four sisters who have an agreement that they share all snacks equally among themselves. One day, uncle Prem gave a box of cookies to Swetha. Since the other sisters	D
E	were not around, Swetha divided the cookies into four parts, ate her share and put the rest into the box. As she was closing	E
4	the box, Swarna came in, She took all the cookies from the box and divided them into four equal parts. Swetha and Swarna ate one part each and put the rest into the box. Just then Sneha walked in. She took all the cookies from the box, divided	А
L _	them into four equal parts. The three of them ate their respective shares and put the rest into the box. Later, when Soumya	
I	came, she divided all the cookies into four equal parts and all the four sisters ate their respective shares. In total, Sounya ate 3 cookies.	L
В	5 COOKIES.	J
l	163. How many cookies, in total, did Sneha eat?	В
G	(a) 30 (b) 12	1
D	(c) 15	G
F	(d) 6	
•	164. How many cookies did uncle Prem give to Swetha?	D
7	(a) 128 (b) 156	E
L	(c) 256	A
J	(d) 192	L
В	165. How many cookies, in total, did Swetha eat?	L. L.
I	(a) 32. (b) 142	В
G	(c) 72	
D	(d) 71	I
E	166. How many cookies, in total, did Swarna eat?	G
A	(a) 9 (b) 30	D
	(c) 39	E
A	(d) 78	А
1		L
В		J
I		В
G		1
D		'
E		G
A		D
L		E
J		А
В		L
I		J
G		В
D		1
		'
E		G
A		D
L E		E
		A
Jbig <mark>D</mark> eaL	<u>JbigDeal JbigDeal</u> Download from <b>www.JbigDeal.in</b> Powered By © <mark>JbigDeal</mark> JbigDeal JbigDeal JbigDeal JbigDeal	a <u>l Jbig<mark>D</mark>ea</u>

<u>IbigDeal</u> <u>IbigDeal</u>

G

D

F

А

L Т

Л

В

G

D

Е

Α

L

J

В

I

G

D

Е

Α

L

А

J

В

Т

G

D

Ε

А

1

В

G

D

Е Δ

Е

Jbig<mark>D</mark>eaL

## Download from WWW.JbjgDeaLin Powered By © JbjgDeaL™

A professor keeps data on students tabulated by performance and sex of the student. The data is kept on a computer disk, but unfortunately some of it is lost because of a virus. Only the following could be recovered :

	Performance			Total
	Average	Good	Excellent	
Male			10	
Female				32
Total		30		

Panic buttons were pressed but to no avail. An expert committee was formed, which decided that the following facts were self evident:

Half the students were either excellent or good.

40% of the students were females. One third of the male students were average.

167. How many students were both female and excellent?

(a) 0

(b) 8

(c) 16

(d) 32

168. How many students are both male and good? (a) 10

(b) 16 (c) 22 (d) 48

169. Among average students, what is the ratio of male to female?

(a) 1 : 2 (b) 2 : 1

170. What proportion of female students are good? (a) 0 (b) 0.25

(c) 0.5 (d) 1.0

(c) 3:2

(d) 2:3

171. What proportion of good students are male? (a) 0

**JbigDeaL** 

Jbig<mark>D</mark>eaL

(b) 0.73 (c) 0.4

(d) 1.0

**JbigDeaL** <u>JbigD</u>eaL **JbigDeaL** 

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

Download from www.JbigDeaL.in Powered By © JbigDeaL

**JbigDeaL** 

**JbiqDeal** 

**JbigDeaL** 

1

В T

G

D

Е

A

L

J

В

T

G

D

F

А

Т

J

В

Т

G

D

Ε

A

Т

B

I

G

D

Ε

А

L

J В

T

G

D F

A

**JbigDeal** 

lh

1

G

D

F

А

L

Л

В

l G

D

Е

Α

L

J

В

I

G

D

Е

Α

L

A J

В

Т

G

D

Ε

Δ

В

G

D

E

Е

**JbigDeaL** 

Jbig<mark>D</mark>eaL

**JbigDeaL** 

Jbig<mark>D</mark>eaL

**JbigDeaL** 

Jbig<mark>D</mark>eaL

## Download from WWW.JbigDeaLin Powered By © JbigDeaL™

<u>Jbig<mark>D</mark>eal</u>

i Jbiq<mark>D</mark>eaL

1

В

T

G

D

Е

А

L

J

В

T

G

D

F

A

L

J

В

T

G

D

Е

A

Т

J

B

I

G

D

E A L

J B

T

G

D

A

**JbigDeal** 

**JbigDeaL** 

**JbigDeaL** 

JbigDeaL

lh

Q172 to 175 :

Given below are the forecasts of the World and Asian energy demand for the years 1990, 2000 and 2010 AD. The demand is given in million barrels per day, crude oil equivalent.

	1990		200	00	2010		
	World	Asia	World	Asia	World	Asia	
Petroleum	50.0	4.0	70.0	10.0	80.0	15.0	
Natural Gas	30.0	0.5	40.0	2.5	50.0	5.0	
Solid Fuels	50.0	4.0	60.0	5.0	75.0	10.0	
Nuclear	10.0	0.5	20.0	1.0	25.0	1.3	
Hydropower	10.0	1.0	10.0	1.5	20.0	2.0	
Total	150.00	10.0	200.0	20.0	250.0	33.3	

172. Over 1990 – 2010, which two fuels meet more than 60 percent of the total energy demand of both World and Asia? (a) Petroleum & Natural Gas

(b) Petroleum & Solid Fuels

(c) Natural Gas & Solid Fuels

(d) None of the above

173. Which fuel's proportion in the total energy demand increases over the decade 1990 2000 and decreases over the decade 2000 - 2010 for both the World and Asia?

(a) Petroleum

(b) Natural Gas

(c) Solid Fuels

(d) Nuclear

174. Which is the fuel whose proportion in the total energy demand will decrease continuously over the period 1990 - 2010, in Asia?

(a) Natural Gas

(b) Solid Fuels

(c) Nuclear

(d) Hydropower

175. Which is the fuel whose proportion to the total energy demand of the world will remain constant over the period 1990 -2010 but whose proportion will increase in the total energy demand in Asia?

(a) Solid Fuels

(b) Nuclear

(c) Hydropower

(d) Natural Gas

**JbigDeaL** 

IbigDeal Download from WWW.JbigDeal.in Powered By © JbigDeal IbigDeal IbigDeal IbigDeal IbigDeal IbigDeal IbigDeal

Download from www.JbigDeal.in Powered By © JbigDeal

1

В

Т

G

D

Е

А

L L

J

В

I G

D

Е

А

L

J В

I

G

D

Е

Α

L

А J

В

Т

G

D

Ε

А

1 В

I

G

D

Е Α

Ε

## Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

#### lh <u>Jbig<mark>D</mark>eal</u> i <u>JbigD</u>eal

Т

В

L

G

D

Е

А

L

J

В

I

G

D

Ε

A Т

J

В

L

G

D

Ε

A

L

J

В

I

G

D

Е А

J

В

T

G

D Ε

А

<u>Jbig<mark>D</mark>eal</u>

**Solution Key** 

1	(d)	21	(b)	41	(c)	61	(a)	81	(b)	101	(b)	121	(c)	141	(b)	161	(c)
2	(a)	22	(b)	42	(d)	62	(d)	82	(d)	102	(a)	122	(d)	142	(c)	162	(d)
3	(a)	23	(d)	43	(d)	63	(c)	83	(b)	103	(b)	123	(b)	143	(a)	163	(c)
4	(a)	24	(b)	44	(d)	64	(a)	84	(c)	104	(c)	124	(c)	144	(c)	164	(a)
5	(b)	25	(b)	45	(d)	65	(a)	85	(c)	105	(d)	125	(d)	145	(b)	165	(d)
6	(a)	26	(a)	46	(c)	66	(c)	86	(a)	106	(a)	126	(d)	146	(b)	166	(c)
7	(b)	27	(b)	47	(d)	67	(a)	87	(a)	107	(b)	127	(a)	147	(d)	167	(a)
8	(c)	28	(b)	48	(b)	68	(b)	88	(a)	108	(d)	128	(b)	148	(a)	168	(c)
9	(c)	29	(c)	49	(d)	69	(c)	89	(a)	109	(a)	129	(c)	149	(d)	169	(d
10	(d)	30	(b)	50	(b)	70	(c)	90	(a)	110	(a)	130	(c)	150	(a)	170	(b
11	(a)	31	(a)	51	(d)	71	(b)	91	(b)	111	(c)	131	(d)	151	(c)	171	(b
12	(a)	32	(d)	52	(c)	72	(a)	92	(a)	112	(b)	132	(d)	152	(c)	172	(b
13	(c)	33	(b)	53	(a)	73	(a)	93	(d)	113	(b)	133	(d)	153	(b)	173	(a)
14	(c)	34	(a)	54	(d)	74	(a)	94	(c)	114	(d)	134	(a)	154	(b)	174	(d
15	(a)	35	(d)	55	(c)	75	(b)	95	(d)	115	(c)	135	(c)	155	(d)	175	(b
16	(d)	36	(a)	56	(a)	76	(a)	96	(c)	116	(a)	136	(c)	156	(c)		
17	(c)	37	(b)	57	(c)	77	(c)	97	(d)	117	(c)	137	(b)	157	(a)		
18	(a)	38	(a)	58	(c)	78	(b)	98	(b)	118	(a)	138	(a)	158	(b)		-
19	(b)	39	(d)	59	(c)	79	(d)	99	(d)	119	(b)	139	(b)	159	(b)		
20	(a)	40	(c)	60	(b)	80	(b)	100	(b)	120	(a)	140	(d)	160	(c)		

<u>JbigDeal</u> Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

Download from www.JbigDeaL.in Powered By © JbigDeaL

Jbig<mark>D</mark>eaL <u>Jbig<mark>D</mark>eal</u> Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

Download from www.JbigDeal.in Powered By © JbigDeal

<u>JbigDeal JbigDeal JbigDeal JbigDeal</u>

<u>JbigDeal</u><u>JbigDeal</u>

Jbig<mark>D</mark>eaL

<u>JbigDeal JbigDeal</u>

E

G

D

F

R

Α

**JbigDeal** 

lbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

Jbiq<mark>D</mark>eal

Jbig<mark>D</mark>eaL

Download from WWW.JbigDeaLin Powered By © JbigDeaL

Jbiq<mark>D</mark>eaL

Jbiq Deal

G

В

G

D

F

Т

В

T

G

n

Ε

A

Т

B

G

G

F

**JbigDeal** 

**JbigDeal** 

**JhigDeal** 

**JbigDeaL** 

#### **Explanatory Answers**

1. B. starts at the beginning of Indian industrialization, A. elaborates on it, C. talks about the scenario today, D. states a common element between the beginning and today. 2. B. and A. answer the question asked in 1. D. states what the government could also do and C. tells us that tax authorities still try to do it, though inconsistently. 3. C. makes a comparison between competition and justice. D. states what the choice is 'not between', and B., by using 'rather' shows that it should follow D. A continues with the idea and leads to 6. 4. A. uses 'thus' to show the effect of the disparities in Yugoslavia mentioned in B. and C. It should thus follow the two. D. uses the phrase 'will also'..., thus showing that it should follow A. 5. The use of 'these measures' in A. refers to the measures stated in 1., so it should be the first sentence in the series. B talks about the objectives of these measures and C. and D. elaborate on the idea. 6. D. introduces the problem related to petroleum products, A. presents statistics to support it. B. talks about electricity, an idea which is continued in 6., so B. should be the last sentence in the series. 7. A. starts at the beginning of the last 45 years, B. states how external powers tried to control the region, D. continues with the idea. C. talks about supply of arms to Pakistan, an idea that is continued in 6. 8. C. states a cause for the problem introduced in 1. B. starts with 'added to this', showing that it should follow C. A. introduces a way out of the situation and 6. analyses the solution. Therefore A. should precede 6. 9. A. introduces us to Rumford's experiments, D. tells us about his observations. C. introduces the term 'caloric', B. explains the term. 10. C. introduces a controversy regarding 'recognition', A. states an aspect of that controversy, B. talks about what happens when an object is encountered and D. about what happens when the same object is countered again. 11. D. continues with the idea introduced in 1. C. states an explanation about the phenomenon, B. refers to this explanation and A. states how it was substantiated. 12. B. talks about the beginning of evolution changes, D. about adaptations, C. about further improvements as well as about extinctions, and A. about the approach towards modern lines. 13. A. states that what has been predicted annually, according to 1. has not happened. B., and then D., talk about events that led to such a prediction. The use of 'then' in D. shows that it should follow B. C. makes a statement that is analysed in 6. 14. C. introduces the topic of the passage, A. and D. explain it, B. presents the economists view of the whole idea. 15. A. introduces the view of realists regarding reality, B. refers to 'this reality' and should follow A. C. refers to the realists again by using 'they' and should follow A. and B. D. presents the author's view about the given position. 16. A. introduces 'changes in demands' as the topical sentence, D. gives some factors leading to the changes, C. elaborates on them and b. shows the effect of some more factors on the same issue. 17. B. talks about the positive aspect of India's technological front, A. continues with the same, C. introduces the other side of the issue by using 'but' and D. contradicts C. by giving certain examples. 18. D. introduces the topic of destruction of enemy kingdom by conquerors, C. uses the pronoun 'he' thus should follow D., B. and A. present more methods adopted by the conqueror in destroying the enemy. 19. C. introduces the idea of various industries offering services through millions of firms, A. states that the individual firms vary in size, d. talks about ot her variations and B. about the variations in policies etc. within the firms. Q20-23: If we were to number the houses 1-2-3-4 from left to right, the information given in the question can be depicted as : Nationality House Colour Favourite Drink House Number English Red Milk 2 Italian Blue Tea Norwegian Yellow 1 Cocoa Spaniard White Fruit Juice 4 Knowing this we can answer all the questions. 20. The color of the Norwegian's house is yellow. 21. Milk is drunk by the Englishman. 22. The Norwegian drinks Cocoa 23. The only statement that is not true is (d), as the Italian lives in house No. 2 and the Spaniard lives in house no. 4, which are not next to each other. JbigDeaL Download from www.JbigDeal.in Powered By © JbigDeal Jbig Deal **JbigDeal** Jbig<mark>D</mark>eaL JbigDeaL **JbiqDeaL** 

Download from www.JbigDeal.in Powered By © JbigDeal

G

D

F

R

В

G

Α

G

D

Download from WWW.JbigDeaLin Powered By © JbigDeaL™

Q24-27 : The best way to solve these kinds of question is to assume that one of the statements is either true or false and hence figure out whether there is consistence in what everyone is saying.

24. Let us assume that John's first statement is true. So his second statement must be false. This implies

first statement false. So the second statement has to be true.

This implies that Krishna didn't do it. So Krishna's first statement is true and his second statement is false. Since all the statements are consistent with each other, the assumption made by us should be the correct one. So it is Mathew who stole the boat.

- 25. The key here are the statements made by Koik. Since we know that he is wearing a cap, if his first statement is false, then his second statement cannot be true. So his first statement is true and his second statement is false. This implies that Koik is the priest. This makes Lony's second statement false and so his first statement true. So Lony is Koik's son. This makes Mirna's second statement false and so his first statement true. So Lo (note that he is also the priest).
- 26. The first statement of Ram is obviously false, as he is saying that he never speaks to a stranger, when he actually is. So he must be new to those parts. This makes the second statement of Lila false. So he should be married to Ram. This makes the first statement of Ram false. So the left road should take you to the village.
- 27. If you were observe Charle's statement carefully you will figure out that his first statement is true and second statement is false. For instance if his first statement were to be false, then his second statement cannot be true. There would be inconsistency in what he is talking. So, Charles is not the chief. This makes Bobby's second statement false and first statement true. So Bobby is Amar's father and hence Amar's first statement is false. So his second statement must be true. This implies that the chief is wearing the red shirt. So Bobby is the chief.
- 28. What follows the blank shows that what has been happening till now has led to some undesirable things and hence a change is now coming in. b. is the only choice that shows what wrong has happened.
- 29. c. suggests that the strategy adopted by some people is not very effective, and the idea is continued with in the passage when the author refers to it as 'this fallacy'.
- 30. What follows the blank shows that the author is against the argument projected in the beginning of the passage. B. is the only choice which would support this.
- 31. The passage begins with the situation of two people on two different sides of the issue. Each gets a chance to argue his or her position and after listening to each other they decide whether they wish to change their position or not. The use of 'then' after the blank shows that some action has taken place before it, and a. is the only choice showing an action.
- 32. A brand is a type of product and a sports car is a type of an automobile.
- 33. A gourmet is an expert on food and a connoisseur is an expert on art.
- 34. North is the opposite of south and black of white.
- 35. Drought and famine are synonyms as are training and skill.
- 36. Nuts and bolts are used together as a phrase just as nitty-gritty are also used together.
- 37. Salty is the adjective for the noun 'salt'. Bovine is the adjective for the noun 'cow'.
- 38. Lack of being just is the defining characteristic of arbitrary just as lack of having order is a characteristic of chaos.
- 39. A crime leads to punishment, just as a homicide leads to a penalty.
- 40. Stratosphere is a layer of atmosphere, jet is a kind of an aircraft.
- 41. The first word of both the pairs implies 'to cut or break up something into parts' while the second word in both means
- 42. All others relate to payments made for something.
- 43. All others are related to horses.
- 44. All others are synonyms.
- 45. All others are nouns, while write is a verb.
- 46. All others are synonyms.
- 47. The correct tag question should use the same auxiliary verb as in the main clause, hence the correct tag question here would be, 'did you?'.
- 48. The correct idiomatic usage is 'prevented someone from leaving'.
- 49. The 'documents' are a plural noun, so should be referred to by them and not it.
- 50. Here who is acting as an object for the verb invited, hence should be replaced by 'whom'.
- 51. From the first statement we can say that  $X + Y \le 20$ . This alone cannot give the value of X. Also second statement alone cannot give me the answer. But if we multiply the second statement by -1, we get  $-X + 2Y \le -20$ . Now if we add the two statements, we get  $X \le 20$ . But still we cannot we cannot find the value of X determinably. Hence the answer is (d).
- 52. The first statement suggests a & b could be either 1, 2, 4 or 8. The second statement suggests b & c could either be 1 or 3. Since b is common to both and factor 1 is also common, we can say b = 1. So a = 8 and c = 9.

Download from www.JbigDeal.in Powered By © JbigDeal

Jbig<mark>Deal JbigDeal JbigDeal JbigDeal</mark>

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

JbigDeaL JbigDeaL

Jbig<mark>Deal JbigDeal</mark>

JbigDeaL

**JbigDeal** 

Jbig<mark>D</mark>eaL

Jbig Deal

**JbigDeaL** 

JbiqDeaL

B

G

D

F

Α

L

В

T

G

D

F

Α

L

J

В

T

G

D

Е

A

Т

B

G

D

Е

Α

L

J

B

G

D

**JbigDeal** 

E

G

D

F

B

G

E

Download from WWW.JbigDeaLin Powered By © JbigDea

- 53. If the numbers are a, b, c and d such that a < b < c < d, then from the first statement we get (d c) > d(b - a). So we can say, (d + a) > (b + c) or (d + a) + (d + a) > (b + c) + (d + a). Dividing both sides by 4, we get (d + a)/2 > (a + b + c + d)/4. This shows that the average of the largest and smallest of four numbers is indeed greater than the average of all 4 numbers. Hence we can answer the question using first statement only.
- 54. The first statement suggest that the ages could be either 1, 3 & 7 or 1, 1 & 21. The second statement doesn't reduce this further as none of the above combination when added is divisible by 3. Hence the answer is (d).
- 55. From the first statement it can be said that we can manufacture 40 units of A only or 20 units of B only. However from the second statement we can find that if he wants to manufacture at least 10 units of A, he will consume 20 machine hours. In the remaining 60 hours, he can manufacture 15 units of B, which also fits in his scheme of things. Hence this is the best he can do. We require both the statements to arrive at this.
- 56. From the first statement we can say that the perimeter of the hexagon in 36 cm, or the length of each side is 6 cm. From this we can find its area. So this statement alone is required to answer the question. The second statement does not supply us with any other data, but merely states the property of a regular hexagon. You should have eliminated this statement in the beginning.
- 57. It is clear that both statement together is required to answer the question. As from the second statement we can find that 2 kgs. Mango is equivalent to 1 dozen oranges, and hence from the first statement we can say that 14 kgs. of mangoes cost Rs.252.
- 58. The two equations are: 20 + 3b + 4a = 15. 30 + 2b + a = 10. Adding the two equations we get, 50 + 5b + 5a = 25 or 0 + 2b + 3a = 10. b + a = 5 i.e. 30 + 3b + 3a = 15.
- 59. Since the inflation rate in 1994 & 1995 is 8% each, the rate of increase in price of sugar = 10%. Hence on If price of sugar in Jan 1, 1994 is 20, I will be 22 on Jan 1, 1995 and 24.20 on Jan 1, 1996.
- 60. The total number of numbers that can be formed is  $10 \times 10 = 100$ . Of the 10 digits, the digits that lead to confusion because of looking at it upside down are 1, 6, 8, 9 and 0. From these five digits, number of two-digit numbers that can be formed =  ${}^{5}P_{2}$  = 25. All of these will arise the confusion. Hence the number of codes that all not lead to any confusion = (100 - 25) = 75.
- 61. It can be very easy to figure out that (x + y) will always be greater than xy, only if one of them is 1. For eg. If x = 1 & y=2, then (x + y) = 3 and xy = 2. Hence (x + y) > xy Other than this for all other values of x & y, (x + y) will always be less than xy, and hence the ratio (x + y)/xy < 1, and hence cannot be an integer. Also, even if one of the values is 1, (x + y)/xy < 1, and hence cannot be an integer. y)/xy will never be an integer. Hence the answer is (a).
- 62. You can do this by the method of simulation. For eg. Let the three numbers be 1, 3 & 5. So option (a) is  $1^2 3^2 5^2 = 225$ , which is odd. (b) is  $3(1^2 + 3^3)5^2 = 2100$ , which is even.  $5 + 3 + 5^4 = 633$ , which is odd. (d) is  $5^2 (1^4 + 3^4)/2 = 1025$ , which is not even and hence the answer.
- 63. This can be logically done in the following manner. There are 139 players in all. We want to determine 1 champion among them. So all except 1 should lose. Since a player can lose only once and since any match produces only one loser, to produce 138 losers, there should be 138 matches that should be played.
- 64. The following possibilities exist among the 7 coins that were flipped.

	U	11		
Possibility	Head	Tail	Head	Tail
	(Original)	(Original)	(Now)	(Now)
	(4)	(6)		
1.	4	3	3	7
2.	3	4	5	5
3.	2	5	7	3
4.	1	6	9	1

Since it is said that among the coins there are 4 heads and 5 tails now. As seen from the above table the only possibility that supports this is possibility 2 viz. 5 heads & 5 tails. Hence the covered coin should be a head.

HINT : KITS students you could have solved this question faster by assuming that only one coin is flipped for 7 times. So, if that is a coin that had head originally, then after 7 flips it will show a tail. So the ratio of Heads : Tails is now 3 : 7 (which is not possible, as with one coin covered we have 5 coins showing tail and 4 showing head). Hence now if we assume that the coin that was flipped had tail originally then after 7 flips, it would show a head. The ratio of Heads : Tails is now 5 : 5, which supports our previous working.

65. If x < y, y - x/2 = 3(x - x/2).  $\therefore x/y = 2/1$ .

Jbig<mark>D</mark>eaL

**JbigDeal** 

**JbigDeal** JbigDeaL

**JbiqDeaL** 

Jbiq<mark>D</mark>eal

Download from www.JbigDeal.in Powered By © JbigDeal

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

**JbigDeaL** 

Jbiq Deal

**JhigDeal JbigDeal**  В

G

D

Е

ï

В

Т

G

D

F

Α

Т

В

T

G

n

F

A

Т

R

G

B

G

F

Jhia Deal

66. It can be seen that, if we place the 3 cones touching each other, it will be similar to placing 3 circles touching, with

**JbiqDeal** 

В

G

D

F

Α

B

G

E

Α

G

D

**JbiqDeal** 

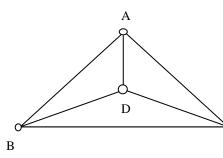
vertices of the cone corresponding to the centers of the circles. It is hence found the centers of the circle form an equilateral triangle with each side = 2r. A circle that passes through the centers will be the circumcircle to such a triangle. The radius of the circumcircle of an equilateral triangle is (1/3) times its side. Hence in our case it would be (2r/3). Since 3 = 1.73 (approx.), (2r/3) > r.

67. If O is considered to be the centre of the circle, then since OC is perpendicular to AB (the radius of a circle is perpendicular to tangent at any point on the circumference). Hence AC = AB = 3 m (Perpendicular from the centre of a

A aa O B B

circle bisects any chord of the circle). So if the radii of the inner and outer circles are  $r_1$  and  $r_2$  respectively, then since OCB is a right angled triangle,  $r_1^2 + 3^2 = r_2^2$ . Now since,  $r_1$  and  $r_2$  are integers they have to form a triplet. The only triplet with 3 in it is 3-4-5. Hence  $r_2 = 5$ .

68. It can be seen that every city is connected to all the other cities (i.e. 3 other cities). So if we decide to start at any point, say A, there are 3 ways in which we could proceed, viz. AB, AD or AC. Once we are at



Jbiq<mark>D</mark>eal

Jbiq<mark>D</mark>eal

B

G

n

F

Т

В

Т

G

D

B

G D

A

Т

B

G

Е

A

J

В

G

F

Jbig Deal

C E

any of these cities, each one of them is connected to 3 other cities. But since we cannot go back to A, there are only 2 ways in which we could proceed from here. Eg. If we are at B, we can only take BD or BC. From this point we a choice of either directly going back to A (thus skipping  $4^{\text{th}}$  city or go to  $4^{\text{th}}$  city and come back to A. Eg. If we are at D, we can either take DA or DCA. So there are 2 more ways to go from here. So total number of ways = 3 x 2 x 2 = 12 ways.

Q69 to 70 : Since 20 of them took all three and 55 of them took at least two of the three rides, we can say that (55 - 20) = 35 of them took exactly two rides. Also the number of rides taken in all = 145. Now, we know that x + y + z = T and  $x + 2y + 3z = R_T$ , where

x = number of members belonging to exactly 1 set

y = number of members belonging to exactly 2 sets = 35

z = number of members belonging to exactly 3 sets = 20

T = Total number of members who belong to at least one of the 3 sets

 $R_T$  = Repeated total of all the members = 145

Thus we have two equations and two unknowns. Solving this we get x = 15 and T = 70. Hence, 15 of them took only 1 ride and 70 of them took at least 1 of the 3 rides. This means that (85 - 70) = 15 of them did not take any ride.

71. The price on 1 mango is equal to the price of 2 oranges. Hence 5 mangoes will be equivalent to 10 oranges. So 20 oranges cost Rs.40, or one orange will cost Rs.2.

72. The following Venn diagram shows the distribution on numbers between 1 & 100 that are divisible by 2, 3 or 5 or a combination or two or more of them. So we can see that there are 50 2 3 numbers that are divisible by 2, 33 numbers by 3 and 20 numbers by 5. (50)(33)13 There are 3 numbers are divisible by 2,3 & 5, while 7 are divisible by 2&5 27 14 (only), 13 are divisible with 2&3 (only) and 3 that are divisible by 5&3 3 (only). That leaves with 27 of them divisible by 2 only, 14 by 3 only and 7 3 by 5 only. Download from www.JbigDeaL.in Powered By © JbigDeaL Jbig<mark>D</mark>eaL **JbigDeaL** JbigDeal **JbigDeal JbigDeaL** JbigDeaL **JbigDeaL** 

J

В

Т

G

D

Е

А

L

J.

В

۱ G

D

Е

А

L

J B

I

G

D

Е

А

L

A

В

Т

G

D

Е

А

1

В

I

G

D

E

Ε

<u>JbigDeal</u>

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

Т

В

L

G

D

Е

А

L

J

В

I

G

D

Е

A

J

В

L

G

D

Е

A

L

J

В

I

G

D

E A

L

J

В

T

G

D

А

**JbigDeal** 

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

# Download from WWW.JbjgDeaLin Powered By © JbjgDeaL™

So, (27+13+14+7+3+3+7) = 74 numbers are divisible by one or more among 2,3 & 5. So 26 numbers are not divisible by them.

IbigDeal IbigDeal IbigDeal Download from WWW.JbigDeal.in Powered By © JbigDeal IbigDeal IbigDeal IbigDeal IbigDeal IbigDeal IbigDeal

Download from www.JbigDeaL.in Powered By © JbigDeaL

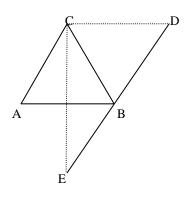
73. As  $u_0 = 0$ ,  $u_1 = (2x0) + 1 = 1$ ,  $u_2 = (2x1) + 1 = 3$ ,  $u_3 = (2x3) + 1 = 7$ ,  $u_4 = (2x7) + 1 = 15$  and so on. So our series is 0, 1, 3, 7, 15 and so on. This series is neither an AP nor a GP. But it could be figured out that the difference between the successive terms is 1, 2, 4, 8 ... Thus this difference series is in GP. It is also found that the nth term of the original series is equal to the 1<sup>st</sup> term of the original series plus the sum of the first (n + 1) term of the difference series. U<sub>10</sub> will actually be the 11<sup>th</sup> term of the original series (as we started with  $u_0$ ). So 11<sup>th</sup> term of the original series is equal to the first term of the first 10 terms of the difference series. Now, we know that the difference series is in GP with a = 1 and r = 2. So the sum of first 10 terms  $= s_{10} = 1x(2^{10} - 1)/(2 - 1) = 1023$ . Which incidentally is the 11<sup>th</sup> term of the original series, as the first term is 0.

HINT : KITS students please note that since there are only 11 terms in the original series, you could well have extended the given series using the original formula and got the answer. Eg. The series is 0, 1, 3, 7, 15, 31, 63, 127, 255, 511, 1023.

74. 
$$f(x) = |\mathbf{x}|^3$$
  $\therefore$   $f(-x) = |-\mathbf{x}|^3 = |\mathbf{x}|^3 = f(x)$ . So the function is even.

75. Let f(x) = g(x) + h(x) where g and h are odd functions.  $\therefore f(-x) = g(-x) + h(-x) = -g(x) - h(x) = -f(x)$ . So f(x) is odd.

- 76. If we assume that any digit is in fixe d position, then the remaining four digits can be arranged in 4! = 24 ways. So, each of the 5 digit will appear in each of the five places 24 times. So the sum of the digits in each position is 24(1+3+5+7+9) = 600 and hence the sum of all such numbers will be 600(1 + 10 + 100 + 1000) = 6666600
- 77. Since there are 6 red balls and all six of them are of different sizes, the probability of choosing the smallest among them is 1/6.
- 78. Since triangle ABC is an equilateral triangle with side 2 km, its altitude will be  $\sqrt{3}$  km. Hence D is  $\sqrt{3}$  km. to the north of A. There is only 1 answer choice that supports this, which is (b).
- 79. You will realise that ABDC is a rhombus with each side 2 km. Hence BD = 2km. Since the total distance travelled = BD



+ DB + BE = 2 + 2 + BE = 4 + BE. So the distance travelled has to be more than 4 km. The only answer choice that supports this is (d) 6 km.

lhia<mark>n</mark>eal

hianeal

В

G

В

G

F

G

Е

Α

G

Jhia Deal

- 80. Since the volume remains constant, we can say  $(8 \times 11 \times 2) = L \times \pi \times 4^2$ . i.e. L = 3.5 inches. Volume  $= 8 \times 11 \times 2 = p L 8^2/4 \therefore L = 3.5$ .
- 81. Since there are two numbers which are < 1 (viz. x & y), it is obvious that the median will be less than 1. Hence (c) cannot be the answer. Since x < 0.5 and 0 < y < 1, the median will not be < 0. Hence the answer is (b) between 0 and 1. 82. Since, 0 < x < 1, so  $0 < x^2 < 1$  or  $0 < 5x^2 < 5$ .
- Similarly, as 0 < x < 1, so  $0 < x^2 < 1$  or  $0 < 3x^2/4 < 3/4$  or  $0 > -3x^2/4 > -3/4$  or  $\frac{1}{2} > (\frac{1}{2}-3x^2/4) > \frac{1}{2} \frac{3}{4}$  i.e.  $\frac{1}{2} > 5x^2 > -\frac{1}{4}$ . So, we can see that  $5x^2$  varies between 0 & 5, while  $\frac{1}{2}-3x^2/4$  varies between  $\frac{1}{2} \& -\frac{1}{4}$ . Hence there is a common zone of 0 to  $\frac{1}{2}$  between the two. Let us check for some key values of x. If x = 0, then  $(\frac{1}{2} - 3x^2/4) > 5x^2/4$ . If x = 1, then  $(\frac{1}{2}-3x^2/4) < 5x^2/4$ . Hence between x = 0 & x = 1, there has to be some value of x for which  $(\frac{1}{2} - 3x^2/4) = 5x^2/4$ , and this will be the maximum value of the given expression. Let us check for the same. If  $(\frac{1}{2} - 3x^2/4) = 5x^2/4$ , then  $2x^2 = \frac{1}{2}$ . Or  $x^2 = \frac{1}{4}$ . For Or  $x^2 = \frac{1}{4}$ , the value of  $5x^2/4 = 5/16 = (\frac{1}{2}-3x^2/4)$ .
- 83. HINT : The first thing that you should check out for the answer choices. Since, one worker was withdrawn everyday and the last worker was withdrawn on the last last day, the number of workers should be such that it can be expressed as the sum of first n natural numbers. For eg. 3 could be the only answer that is possible as 3 = 1+2. None of the other answer choices support this as 1+2+3=6 and 1+2+3+4=10.
- 84. We can form a triangle out of any 3 points which are not collinear. Hence in our case 3 points out of 5 can be chosen in  ${}^{5}C_{3} = 10$  ways. But of these, the three points lying on the two diagonals will be collinear. So 10 2 = 8 triangles can be formed.

Download from www.JbigDeaL.in Powered By © JbigDeaL

<u>JbigDeal JbigDeal JbigDeal</u>

Jbig<mark>D</mark>eaL

Jbiq<mark>D</mark>eaL

В

G

D

F

G

E

**JbiqDeal** 

Jbiq<mark>D</mark>eal

Jbig<mark>D</mark>eaL

**JbigDeal** 

lbig<mark>D</mark>eal <u>JbigD</u>eal

Jbiq Deal

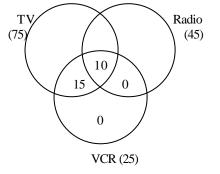
Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

**JbigDeaL** 

### Download from WWW.JbigDeaLin Powered By © JbigDeaL™

85. From the data given in the question, we can make the following Venn diagram. Since no VCR owner



Jbiq<mark>D</mark>eaL

В

G

D

F

G

E

В

G

G

n

**JbiqDeal** 

owns only a VCR or a Radio, we can say all 100 of them own at least one among a TV or a Radio. So if we are to look at the part of the diagram for TV and Radio we can say that : Total number of people who are in these two sets = 100, of which 75 own TV and 45 own radio. So number of people who own both TV & Radio = (75 + 45) - 100 = 20. Of these 20, 10 own all three. Hence number of people having only TV & Radio = 10. Hence number of people owning only TV = 75 - 10 - 10-15 = 40.

Jbiq<mark>D</mark>eaL

Jbiq<mark>D</mark>eal

В Т

G

D

F

В

T

G

D

F

Α

Т

В

T

G

D

Е

A

Т

B

G

D

Ε

Α

B

G

F

**Jhig**Deal

86. @(/(\*(2,4),4),2) = @(/(8,4),2) = @(2,2) = 2.

- 87. A + B = 2[(A + B)/2] = 2[@(A, B)] = \*[@(A, B),2]
- 88. Sum of A, B, C =  $[A + B + C] = 3\{[2((A + B)/2) + C] / 3\} = *(@(*(@(B, A), 2), C), 3).$ HINT : KITS students please note that for Q71 & Q72, if it doesn't strike you to simplify in this manner, the best way is to simplify the answer choices and work backwards.
- 89. The total volume of the matter =  $(20 \times 55 \times 65)$ . Let the number of pages in the new format be x. Hence the volume will be (65 x 70 x n). Since the volume remains same we can equate the two and hence n = 15.71 = 16 sheets. Hence percentage reduction in sheet = 4/20 = 20%.
- 90. Let us evaluate each option. (b) since 0 < y < 1 and z > 1, yz will always be < 1. (c) Since both x & y are not equal to 0, xy will never be 0. (d) y is a positive number < 1 and z is a positive number > 1, hence  $(y^2 - z^2)$  is always negative. Since, (b), (c) and (d) are always true, the answer has to be (a). And this can be verified. For eg. If x = -2 and z = 3, then  $(x^2 - z^2) = 4 - 9 = -5$ , not a positive number.
- 91. If you were to run two of three cycles of how she is counting, you will observe that the number that she counts on thumb are 1, 9, 17, 25 and so on. So it forms a pattern such that all the numbers that are 1 more than the multiples of 8 are counted on thumb. The closest multiple of 8 near 1994 is 1992. In other words she would count 1993 on thumb. So she would count 1994 on the index finger.
- 92. It is clear that after a particular amount of time P & Q are equidistant from A & B respectively  $(1/6^{th})$  the distance between A & B). So at this time the separation between the two is  $4/6^{h}$  the distance between A & B. Since from here they are moving in opposite directions with Q moving faster than P, it is obvious that when they meet, Q would have travelled more than P. Hence they would meet closer to A.
- 93. Let the speed of P be x, so the speed of Q will be 2x. Hence every hour P will cover a distance of x and Q will cover a distance of 2x. Since P has started an hour before Q started, he would have travelled for a distance of x. The only time when they would be equidistant from A and B respectively is after the first hour of Q starting. As in this hour Q would have moved a distance of 2x and P would have moved a distance of x i.e. an overall distance of 2x. And according to the data given in the question this distance (2x) is  $1/6^{h}$  the distance between A & B. So the total distance between A & B = 12x. So P would take 12x/x = 12 hours to reach B.
- 94. Q would cover the distance in 12x/2x = 6 hours. And P would cover it in 12x/x = 12 hours. Hence P would take 6 hours more than Q to complete the race.
- 95. Required number = LCM (4, 6, 7) + 2 = 86.

96. It can be seen that if a spherical ball is placed inside a hollow cone of same dia meter, the ball won't go up to the diameter. In other words because of the slanting edges of the cone, only less than 50% of

the ball would enter the cone. In other words, more than 50% of the ball would be outside the cone.

**JbigDeal** JbigDeaL Jbiq<mark>D</mark>eal

Jbig<mark>D</mark>eaL

Download from www.JbigDeal.in Powered By © JbigDeal

Jbig<mark>D</mark>eaL Jbig<mark>D</mark>eaL Jbiq<mark>D</mark>eal

Jbig<mark>D</mark>eaL

**JbigDeaL JbigDeaL JhigDeal JbigDeal** 

**JbigDeaL** 

Jbig Deal

Jbig<mark>De</mark>aL

Ih <u>Jbig<mark>D</mark>eal</u> i <u>JbigDeal</u>

Т

В

L

Download from WWW.JbjgDeaL.in Powered By © JbjgDeaL™

97. The separation bet ween the ship and the seaplane is 18 miles. And since the two are travelling in the

<u>JbigDeal</u> J В I G D Е А L L J В I G D Е А L J В I G D Е А L А J В Т G D Ε А L 1 В I G D

<u>JbigDeal</u>

	97. The separation bet ween the ship and the seaplane is 18 miles. And since the two are travelling in the same direction, the relative speed would be 9 times the speed of the ship (If speed of ship is x	c
	miles/hour, speed of seaplane would be 10x and $10x - x = 9x$ ). Hence to catch up with the ship the	G
	seaplane would take $18/9x = 2/x$ hours. Now, the ship covers x miles in an hour, so in $2/x$ hours it	D
	would cover 2 miles. So when the seaplane catches up with the ship, it would be $18+2 = 20$ miles from the shore.	E
	98. From 1 to 100, you will find 50 numbers that are multiples of 2 and 20 numbers that are multiples of 5. If you multiply a	
	number that contains one factor of 5 eg.15 with a number that contains one factor of 2 eg.6, you will get one 0 at the end of the answer i.e.90. Since the multiples of 5 are less in number than those of 2, the limiting factor in getting a 0 at the	A
	end of the answer are the multiples of 5. So ideally there should be 20 zeros at the end, if we multiply all integers from 1	L
	to 100. But the numbers 25, 50, 75 and 100 have 2 factors of 5 each (as each of them is a multiple of 25). Since we have	
	already accounted for 1 of them in our original count of 20, we will include 1 additional 0 of each of these 4 numbers, So	J
	the total number of zero's at the end = $24$ .	В
	HINT : KITS students please note that the fastest way to solve such kinds of sums is : $100/5 = 20$ , $100/5^2 = 4$ . Hence the answer is $20 + 4 = 24$ .	
	99. In this case since x, y and z are distinct positive integers, our aim is figure out which of the answer choices cannot be	I
	expressed as the sum of 3 integers uniquely. For eg. 6 can only be expressed as (1+2+3). 7 can only be expressed as	G
	(1+2+4). But 8 can be expressed as either $(1, 2, 5)$ or $(1, 3, 4)$ .	D
	100. Since Akbar likes rain, he cannot be a frisbee player (as no frisbee player likes rain). And since evry boy in the school	U
	does one of the two, Akbar has to be a fisherman.	E
	101. It is a manifestation of anomic suicide.	А
	102. Furkheim was trying to document the fact that something as individualistic as suicide can be explained without reference to individuals.	
	103. It is also a manifestation of anomic suicide.	L
	104. This was categorised as egoistic suicide.	J
	105. Durkheim uses all three as explanations for suicide within a social entity.	
	106. Military personnel, train ed to lay their lives for the country are more likely to commit suicide.	В
	107. Durkheim was successful on all three indicators that he based his contentions on.	I
	108. He has used all the given indicators to support his contentions. 109. This would happen due to a manifestation of strong individual ties.	
	110. The passage shows that though IBM is losing ground in one market after another, Intel and Microsoft have emerged as	G
	the computer industry's most fearsome pair of competitors.	D
	111. IBM's 'loss' and not the 'lay off' was the biggest in the corporate history.	F
	112. IBM marketed Ambra.	E
	113. General Motors, a relatively new company, had surpassed Ford as America's No. 1 car maker.	А
	<ul><li>114. Intel was the major supplier of silicon chips to IBM.</li><li>115. The passage states that each company feels threatened by its own creations.</li></ul>	L
	116. The passage states that IBM plans to introduce a new system that would run on a variety of machines.	
	117. Windows NT, developed by Microsoft will link together many computers through a network.	J
	118. Both marketed their own versions of Os2.	В
	119. NEERI has reported that 70% of the total water available in the country is polluted.	
	120. The degradation of natural resources will lead to poor economic utilization of resources. 121. W.H.O. has made both the observations.	I
	121. W.H.O. has made both the observations. 122. All the given statements are supported by the passage.	G
	123. 75% of Ganga's pollution comes from municipal sewage.	D
	124. Drying up of water resources and over pumping causes drinking water crisis.	5
	125. US, UK, Netherlands, Poland, France, World Bank and India are together going to fund the project.	E
	126. Ganga, Yamuna, kali, Hindon, cauvery and Kapila, have all shown great amounts of metal pollutants in their waters.	А
	127. Out of a total outlay of 6,522.47 crores, rural water supply would receive 3,454.47 crores.	
	128. The shortage can be best tackled by cleaning up polluted water. 129. This task should operate at the physical, conceptual as well as at the emotional levels.	L
	130. Violation of space boundaries makes the quality of space suffer, hence openness of space can be created only by the	J
	firmness of its boundaries.	n
3	131. The author has given all three as reasons that make learning a painful process.	В
)	132. Our experiences in the physical world have parallels in our relationships with others, where the concept of space also	I
	works. 133. The author feels that a learning space would be one where the teacher provides information and theories which	G
	encourage the process of learning.	
	134. Silence unites us and we also become more open to truth.	D
		E
		A
	IbigDeal IbigDeal Download from WWW.JbigDeal.in Powered By © JbigDeal IbigDeal IbigDeal IbigDeal IbigDeal IbigDeal	Jbig <mark>D</mark> ea

#### **JbiqDeal**

**JbiqDeaL** 

В T

G

D

F

Α

Т

В

T

G

D

F

Α

Т

В

Т G D

Ε

A

Т

B

I

G D

Е

Α

В

G

D

F

**JbigDeal** 

### Download from WWW.JbigDeaLin Powered By © JbigDeaL™

135. An effective teacher would be one who is not afraid of dealing with feelings.

136. An effective teacher would never allow the learning space to be filled by reading of a big number of pages of assigned reading.

137. An emotionally honest learning space is created by a teacher who is not afraid of dealing with feelings.

138. Assigned reading and lecturing can create a conceptual space.

Jbiq<mark>D</mark>eaL

В

G

D

F

A

J

В

G

D

Е

А

В

G

А

А

В

G

D

R

G

D

Е

**JbiqDeal** 

- 139. The author states that the harmony among these traditional elements has made Japanese industry highly productive and given corporate leadership a long term view.
- 140. It was widely perceived that management education was a passport to good life.
- 141. In 1980's management education had started getting criticism from various quarters.
- 142. Management education faced all other criticisms in the 1980's
- 143. Japan has traditionally believed that management ability can only be acquired through years of practical experience.
- 144. In 1960's and 1970's management education gained academic stature. A management professor was even awarded the Nobel prize. It also gained more respect.
- 145. In 1980's critics charged that learning had little relevance to real business problems.
- 146. Training programmes in Japanese corporations have sought the socialization of new comers.
- 147. Incre ased competitive pressures and greater multi nationalism of Japanese business made Japan change its attitude towards management education.
- 148. The author states that the Japanese educational system is highly developed and intensely competitive, raising the mathematical and literary capabilities of the Japanese to the highest in the world.
- 149. The two differ in their process of selecting and orienting new recruits.
- 150. The author has given the example of Wharton to argue that Japanese do not 'do without' business schools.

Q151-154: The graph can be represented in the following table:

Company	Sales (1)	Expend. (2)	Profit (3)=(1)- (2)	Equity (4)	Pro/Equ (3)/(4)	Sal/Equ (1)/(4)	Sal/Exp (1)/(2)	Growth Rate Sales
1990	80	76	4	8	0.5	10	1.05	-
1991	92	88	4	8	0.5	11.5	1.04	5%
1992	106	100	6	22	0.27	4.81	1.06	15.21%
1993	128	114	14	22	0.51	5.81	1.12	20.75%

151. It is clear that the profit per rupee of equity is highest for 1993 viz.0.51

152. The simple annual growth rate in sales is maximum for the year 1992-93 viz.20.75%

153. Sales per rupee of the expenditure is lowest for the year 1991 viz.1.04.

154. Sales per rupee of equity is highest for 1991 viz.11.5

155 - 158: Let the profits of CAT & DAT be x, Sales of CAT & BAT = y and sales of ANT = z. So we have

COMPANY	SALES	EXPENDITURE	PROFIT
ANT	Z	0.9z	0.1z
BAT	У	0.8y	0.2y
CAT	у	5x	Х
DAT	3x		Х

No, it is said that the total expenses of CAT were Rs.10 lakhs. Hence 5x = Rs.10 lakhs or x = Rs.2 lakhs. Also Total expenses of ANT were 10% less than those of CAT = Rs.9 lakhs. Hence 0.9z = 9 lakhs or z = 10 lakhs. Finally, In case of CAT, since Sales – Expenditure = Profit, Sales = Expenditure + Profit = 6x = 12 lakhs. Hence y = 12 lakhs. So our table is modified to :

COMPANY	SALES	EXPENDITURE	PROFIT
ANT	10	9	1
BAT	12	9.6	2.4
CAT	12	10	2
DAT	6	4	2

#### (All values in lakh Rupees)

155. From the above table it can be seen that the company that had the lowest sales is DAT viz. Rs.6 lakhs.

156. CAT had highest total expenses i.e. Rs. 10 lakhs.

157. ANT had lowest profits i.e. Rs. 1 lakh.

**JbigDeaL** 

158. BAT had the highest profits i.e. Rs. 2.4 lakhs.

**JbigDeal** JbigDeaL **JbiqDeaL** 

Jbig Deal Jbiq<mark>D</mark>eaL

JbigDeaL

Jbig<mark>D</mark>eaL **JbigDeaL JbigDeal JbigDeal** Download from www.JbigDeal.in Powered By © JbigDeal Jbig<mark>D</mark>eaL **JbigDeal** Jbig<mark>D</mark>eaL **JbigDeaL** 

G

D

F

A

В

G

D

Е

Α

L

В

G

F

Δ

А

В

G

D

F

В

G

D

F

Е

**JbigDeal** 

Jbig<mark>D</mark>eaL Jbiq<mark>D</mark>eaL

> В Т

G

D

F

В

T

G

D

F

Α

Т

J

В

Т G

D

Е A

B

G

D

Е

Α

B

G

F

**JbigDeal** 

**JbigDeaL** 

### Download from WWW.JbigDeaLin Powered By © JbigDeaL™

Q 159-162 :

The above graph can be represented in the following manner :

	Net Fixed Assets (NFA)	Growth Rate of NFA	Net Current Assets (NCA)	Growth Rate of (NCA)	Investment s	Growth Rate of Investm ents	Total Assets (TA)	Growth Rate of Total Assets
1990	7	-	13	-	2	-	22	-
1991	8	14.28%	16	23%	1	-50%	25	13.63%
1992	7.5	-6.25%	15	-6.25%	2	100%	25	-
1993	9	20%	17	13.33%	4	100%	30	20%

159. The growth rate of total assets between 1990-93 = (30-22)/22 = 36%. But this is over a 3 year period. Hence simple average annual growth rate = 36/3 = 12%.

160. It cam be seen that the growth rate is lowest for investments in 1990-91 viz. 50% decrease.

161. Between 1991 & 1992, the highest growth rate was seen for investments viz.100% increase.

162. It can be seen that very individual item has shown a decrease in some year or the other. Only Total Assets has not shown this trend.

Q163 - 166: KITS students please note that the best way to solve this question is to work backwards. Since Soumya was last to eat the cookies and she ate 3 cookies, the total number of cookies left when she entered the room = (3x4) = 12. This should be Soumya's share that was left in the box uneaten. Hence just before Soumya entered, Swetha, Sneha and Swarna would have eaten their share of 12 cookies each. Total number of cookies left when Sneha entered = (12x4) = 48. This in turn should have been the combined shares of Sneha & Soumya (24x2) that was left in the box uneaten. So Just before Sneha entered, Swetha & Swarna should have eaten 24 cookies each. In other words number of cookies left, just before Swarna entered = (24x4) = 96. Now this should have been the combined shares of Swarna, Sneha and Soumya (3x32) that was kept in the box by Swetha . So just before Swarna entered, Swetha must have eaten her share of 32 cookies. Hence total number of cookies given by Prem uncle = (32x4) =

163. The situation is also shown in the following table:

		W	ho ate How	many cooki	es?		
		Swetha	Swarna	Sneha	Soumya	Not Eaten	Total
<u>.</u>	Soumya	3	3	3	3	-	12
Who entered?	Sneha	12	12	12	-	12	48
Wł	Swarna	24	24	-	-	(24x2) = 48	96
	Swetha	32	-	-	-	(32x3) = 96	128
	Total	71	39	15	3	-	-

163. We can see that Sneha ate 15 cookies in all.

164. Prem uncle gave 128 cookies to Swetha.

165. Swetha ate 71 cookies.

166. Swarna ate 39 cookies.

Q167-171: Since 40% of the students were females, these constituted 32 students. So total number of students = 80 & total number of male students = 48. Now since half the students were either excellent or good, (number of average students) = (number of good students + number of excellent students) = 40. Hence number of excellent students = 40 - 30 = 10. Finally since  $1/3^{rd}$  of male students were average, total number of male students that were average =  $(1/3 \times 48) = 16$  and hence total number of male students that were good = (48 - 16 - 10) = 22. Based on the above revelations the following table can be drawn:

		Performance		Total
	Average	Good	Excellent	
Male	16	22	10	48
Female	24	8	0	32
Total	40	30	10	80

Download from www.JbigDeal.in Powered By © JbigDeal

167. Number of students who are both female & excellent = 0.

168. Number of students who are both male and good = 22.

169. Ratio of male to female among average students = 16:24 = 2:3.

170. Proportion of female students who are good = (8/32) = 0.25.

171. Proportion of good students who are male = (22/30) = 0.73.

**JbigDeal** JbigDeaL **JbiqDeaL** 

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

Jbiq<mark>D</mark>eaL

Jbig<mark>D</mark>eaL

Download from www.JbigDeaL.in Powered By © JbigDeaL

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL **JbigDeal** 

Jbig<mark>D</mark>eaL

**JbigDeaL** 

JbigDeaL

## Download from WWW.JbjgDeaLin Powered By © JbjgDeaL™

Q172-175:

172.	
------	--

		19	90	20	00	2010	
		World	Asia	World	Asia	World	Asia
Total Energy		150	10	200	20	250	33
Natural Gas	Value	30	1	40	1.5	50	2
	Proportion	20%	10%	20%	7.5%	20%	6.06%
Solid Fuels	Value	50	4	60	2.5	75	5
Solid Fuels	Proportion	33.3%	40%	30%	12.5%	30%	15.1%
Petroleum	Value	50	4	70	10	80	15
i cu oicuin	Proportion	33.3%	40%	35%	50%	32%	45.4%

Thus we can see that Solid Fuels and Petroleum combined constitute more than 60% of total energy in both World & Asia for the given period.

173. As seen from the above table, Petroleum is the fuel whose proportion in the total energy demand increases during 1990-2000 and decreases during 2000-2010 for both world & Asia.

174. For the answer choices given and for Asia we can make the following table.

		1990	2000	2010
Total Energy		10	20	33
Natural Gas	Value	0.5	2.5	5
	Proportion	5%	12.5%	15.15%
Solid Fuels	Value	4	5	10
	Proportion	40%	25%	30.3%
Nuclear	Value	0.5	1	1.3
	Proportion	5%	5%	3.9%
Hydropower	Value	1	1.5	2
	Proportion	10%	7.5%	6.06%

Hence we can see that the proportion of Hydropower goes on decreasing over the period.

175. For the answer choices given and for world we can make the following table.

		1990	2000	2010
Total Energy		150	200	250
Natural Gas	Value	30	40	50
	Proportion	20%	20%	20%
Solid Fuels	Value	50	60	75
	Proportion	33.3%	30%	30%
Nuclear	Value	10	20	25
	Proportion	6.66%	10%	10%
Hydropower	Value	10	10	20
	Proportion	6.66%	5%	8%

Hence we can see that the proportion of Nuclear gas remains constant over the given period.

**JbigDeaL JbigDeaL JbiqDeaL** 

Jbig<mark>D</mark>eaL

Download from www.JbigDeaL.in Powered By © JbigDeaL

Jbig<mark>D</mark>eaL

**JbigDeal** 

**JbigDeaL** 

**JbigDeaL** 

В T

G

D

F

Т

В

T

G

D

F

В

Т

G

D

Ε

A

B

G

Ε Α

В

G

F

**JbigDeal** 

**JbigDeaL** 

В

G

D

F

A

Т

J В

G

D

Ε

Α

L

1 В

G

Е

Α

L

А

В 1

G

D

F

В

F

Е

**JbigDeal** 

Jbig<mark>D</mark>eaL

Jbig<mark>D</mark>eaL