QUANTITATIVE APTITUDE

Directions (1-5): In the following number series one number is wrong. Find out the wrong number.

1. 39, 42, 48, 59, 84, 132

1. 132
2. 42
3. 48
4. 59
5. 84

2. 11, 18, 30, 40, 59, 86

1. 30
2. 11
3. 18
4. 59
5. 86

3. 5, 30, 59, 119, 209, 335

1. 59
2. 335
3. 5
4. 119
5. 30

4. 353, 385, 316, 441, 225, 568

1. 568

2. 353

3. 385

4. 225

5. 316

5. 21, 29, 84, 756, 12096, 302400

1. 12096

2. 29

3. 84

4. 756

5. 21

Directions (6 – 10): In these questions a relationship between different elements is shown in the statements.
The statements are followed by two conclusions. Give your answer
a) If conclusion (I) is true.
b) If conclusion (II) is true.
c) If either conclusion (I) or (II) is true.
d) If neither conclusion (I) nor (II) is true.
e) If both conclusions (I) and (II) are true.

6. Statements:
C>E>N=T, L<W=N
Conclusions:
I) N=W
II) E>L

7. Statements:
R=E<S>P, Q>M>E
Conclusions:
I) P>Q
II) M>R

8. Statements:

X>W>D>B,G=T>W

Conclusions:

I) G>D

II) T>B

9. Statements:

N<R=K<L,F<U<L

Conclusions:

I) R>F

II) N>U

10. Statements:

C>R>T=M<P<N

Conclusions:

I) C>M

II) T<N

11. Each Student of a class collected some money for the trip. The total money collected by each student was equal to the cube of the total number of students. If the total amount collected was Rs. 29791. find the total number of students.

1. 31
2. 30
3. 28
4. 37
5. 39

12. A dealer buys an article marked at Rs. 50,000 at 25% and 10% successive discount. He spends Rs. 5000 on its repair and sells it for Rs. 50,000. What is his loss or gain percentage?

1. 33.63% loss
2. 26.43% gain
3. 1.25% gain
4. 29.03%
5. 27.13% loss

13. The average age of four boys, five years ago was 9 of all the five is 15 years. The present age of the new boy is

1. 22 years
2. 24 years
3. 21 years
4. 18 years
5. 19 years

14. P, Q and R can do a piece of work in 18,24 and 36 days on the second day and P on the third day, again R on the fourth day and so on. Then in how, many days will the work be completed?

1. 25
2. 24
3. 22
4. 20
5. 26

15. Harshika wants to purchase a mobile handset. The shopkeepers told her to pay 30% tax if she asked for the actual sale price (without tax) of the mobile and paid to the shopkeeper Rs. 16150. In the doing so, she managed to avoid to pay the 30% tax. What is the amount of discount that she received on the selling price (inclusive of tax)?

1. Rs. 5495
2. Rs. 5850
3. Rs. 5950
4. Rs. 5685
5. Rs. 5975

Direction (16-21): Study the table carefully and answer the questions given below:

Details of employees deployed at different levels by a company in different departments.

	Manager		Officer	
Department	Number	M : F	Number	M : F
Operations	2200	7 : 4	2800	6 : 8
Public relations	1800	5 : 4	2500	9 : 11
Finance	2500	14 : 11	3200	17 : 15
Advertising	2900	12 : 17	1600	9 : 7
Sales	2400	9 : 7	2600	8 : 5
Procurement	2700	5 : 4	2200	9 : 13

16. The total number of female employees (Managers and Officers) in Procurement department is approximately by what per cent more than their male counterparts?

1. 2%
2. 6%
3. 4%
4. 8%
5. 9%

17. The number of female managers in Finance department is what per cent of the total number of male managers in Sales department?

1. 77%
2. 82%
3. 78%
4. 84%
5. 81%

18. What is the ratio of the total number of female managers in Operations and Finance departments to that of male officers in these two departments?

1. 25:29
2. 19:26
3. 19:25
4. 19:29
5. 22:29

19. The total number of male officers in Advertising nad Sales departments is approximately what per cent the total number of officers in these two department?

1. 55.8%
2. 56%
3. 57.5%
4. 54%
5. 59.5%

20. What is the different between the total number of female officers in Advertising and Public Relations department and the total number of female managers in these two department?

1. 405
2. 415
3. 425
4. 435
5. 395

21. What is the ratio of the total number of managers in Public relations, Finance, Sales and Operations department to the total number of
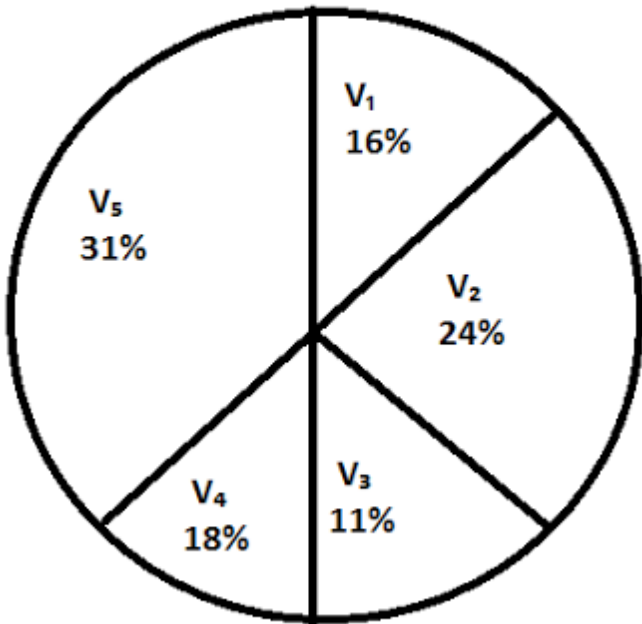
officers in Finance, Advertising. Sales and procurement department?

1. 89:95
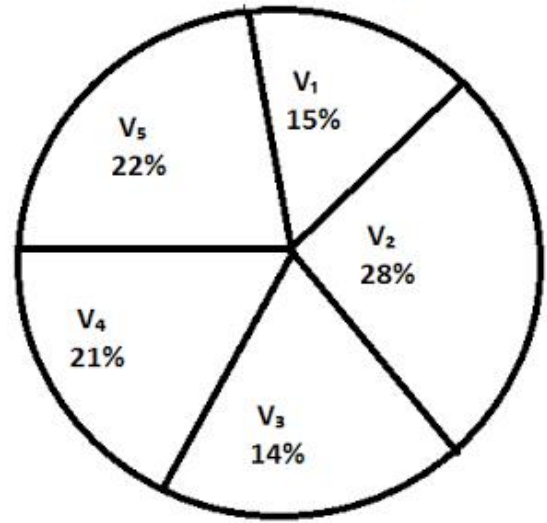2. 87:96
3. 87:89
4. 93:95
5. 89:96

Directions (22-26): Study the following pie - charts carefully and answer the questions given below:

Percentage break up of the number of children in five different villages and break up of children Attending school from those villages

Total number of children attending schools = 3600

Total number of children = 5800

22. What is the total number of children not attending school from village V_2 and V_3 together?

1. 528
2. 508
3. 518
4. 618
5. 628

23. The number of children attending school from village V_1 is approximate, what percent of the number of children from that village?

1. 54%
2. 56%
3. 60%
4. 53%
5. 58%

24. What is the approximate average number of children not attending school from village V_2, V_3 and V_4 together?

1. 269
2. 258
3. 264
4. 270
5. 266

25. The number of children not attending school from village V$_4$ and V$_5$ is approximately what percent of the total number of children from village V$_4$ and V$_5$ together?

1. 43.65%

2. 42.5%
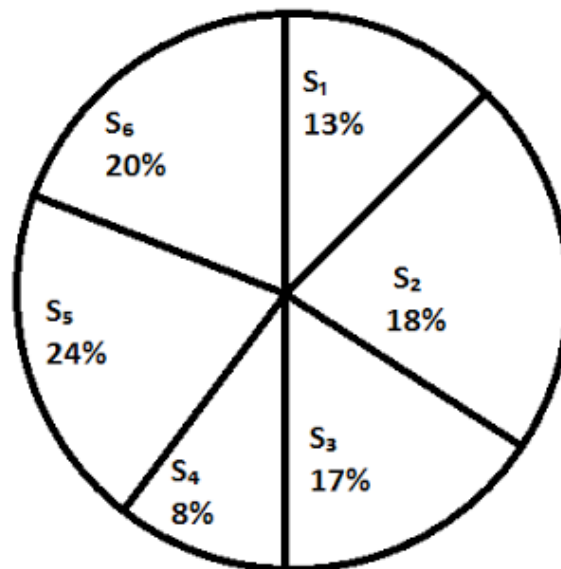
3. 48%

4. 46%

5. 49.45%

26. What is the ratio of the total number of children from village V$_4$ to the number fo children attending school from the same village?

1. 22:21
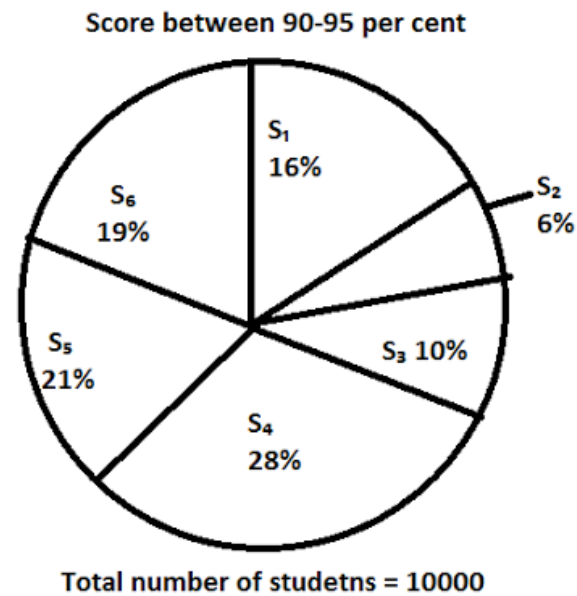
2. 29:28

3. 29:21

4. 29:27

5. 23:21

Directions (27-31): Study the following pie- charts and table carefully and answer the questions given below:

Details of students who scored from six schools of Delhi in Class XIIthe result:

95 per cent and above:

Total number of students = 6000

Score between 90-95 per cent

Total number of studetns = 10000

Ratio of Girls to Boys

School	95 per cent and above	Between 90-95 percent
S_1	11:5	3:2
S_2	5:7	1:4
S_3	3:5	5:3
S_4	7:1	2:3
S_5	5:4	9:5
S_6	5:3	3:4

27. What is the difference between the no. of boys who scored 95 percent and above from schools S_5 and the no. of boys who scored between 90-95 per cent from school S_5?

1. 115
2. 120
3. 100
4. 110
5. 125

28. The number of girls of school S_2 who scored between 90-95 percent is approximately what percent of the no. of girls of school S_4 who scored 95 percent and above?

1. 28.57%
2. 22.46%
3. 29.95%
4. 35.48%
5. 32.46%

29. The number of boys of school S_5 and S_6 together who scored 95 percent and above is approximately what percent more or less than the number of girls of school S_2 and S_5 together who scored between 90-95 percent?

1. 26% more
2. 22% more
3. 26% less
4. 24% more
5. 32% less

30. The average number of girls who scored 95 percent and above from all the schools together is
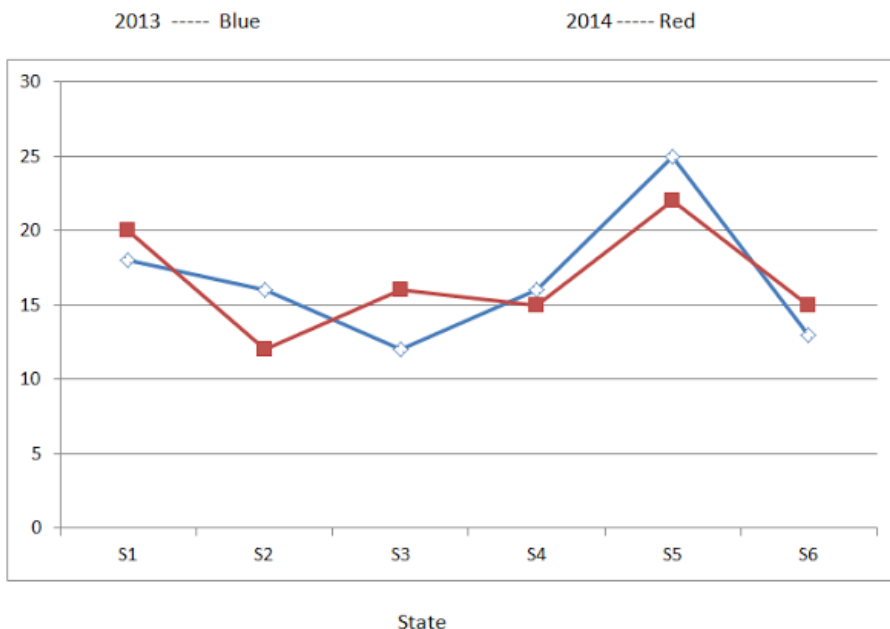
1. 503

2. 506
3. 518
4. 545
5. 556

31. What was the ratio of the number of boys of school S_3 who scored between 90-95 percent to the number of boys, who scored 95 percent and above in the same school?

1. 5:9
2. 10:17
3. 10:13
4. 8:9
5. 12:17

Directions (32-35): Study the following graph carefully and answer the questions given below:
The line graph represents the percentage candidates qualifies in a competitive examination from 6 states during the given two years.

The table given below represents the total number of candidates appeared, percentage of candidates qualified in all the six states together in the year 2013 and 2014.

Year	Appeared	Qualified
2013	1,42,000	45%
2014	1,80,000	52%

Ratio of male to the female candidates qualified from different states in both the years.

State	2013	2014
S_1	5:4	28:17
S_2	3:1	5:3
S_3	7:5	11:5
S_4	13:11	15:11
S_5	13:12	15:9
S_6	8:1	11:9

4. 5940
5. 5960

32. The number of female candidates qualified from state S_2 in 2013 is approximately what per cent of the male candidates qualified from S_1 in 2014?
1. 16%
2. 22%
3. 20%
4. 14%
5. 18%

33. If in 2014 in state S_1 four female candidates qualified are not eligible then what is the average number of female candidates qualified from all the states together in the year 2014?
1. 5990
2. 5900
3. 5920

34. What is the ratio of the number of female candidates qualified from states S_1 and S_3 together in 2013 to the number of male candidates qualified from the same states in the year 2014?
1. 8307:21844
2. 8407:21944
3. 8307:21944
4. 8307:20894
5. 8037:29144

35. What is the average number of candidates qualified from states S_2, S_3, S_4 and S_6 together in the year 2013?
1. 9405.75
2. 9005.75

3. 9105.75

4. 9505.75

5. 9205.75

36. A number when divided by 169 leaves 78 as remainder. what would be the remainder when the same number is divided by 13 ?

1. 0

2. 1

3. 6

4. 9

5. 10

37. wo trains start from stations A and B travel towards each other at speeds of 50 km/hour and 60 km/hour respectively . At the time of their meeting , the second train has travelled 120 km more than the first. The distance between A and B is

1. 990 km

2. 1200 km

3. 1320 km

4. 1440 km

5. 1250 km

38. P takes 10 days more than Q to complete a piece of work. If both of them can complete the work in 6(2/3)days, in how many days can P alone complete the work?

1. 15 days

2. 10 days

3. 5 days

4. 20 days

5. 12 days

39. What approximate value should come in place of the question mark (?) in the following questions. 25.675% of 1321 + 64.328% of 4001= ?

1. 2890

2. 2500

3. 2690

4. 1290

5. None of these

40. The difference between the simple interest received from two different sources on Rs. 1500 for 3 years is Rs. 13.50. The difference between their rate of interest is

1. 0.20%

2. 0.15%

3. 0.30%

4. 0.20%

5. 0.5%

41. The ratio between the present ages of P and Q is 6:7. If Q is 4 years old than P. What will be the ratio of the ages of P and Q after 4 years?

1. 2:3

2. 5:8

3. 1:2
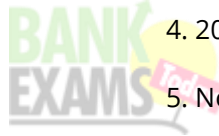
4. 7:8

5. None of these

1. 16/25

2. 17/29

3. 15/25

4. 12/15

5. 10/25

42. The average score of 11 matches is 50. If the average score of first 6 matches is 49 and that of last 6 is 52, find the sixth match score?

1. 42

2. 58

3. 56

4. 52

5. 45

45. The salaries of P,Q and R are in the ratio 5:3:2.If the increments of 20% ,10% and 20% are allowed in their salaries, then what will be the new ratio of their salaries ?

1. 20: 11: 18

2. 20: 11:15

3. 20:11:12

4. 20:11:10

5. None of these

43. The Simple interest on a certain sum for 2 years at 10% per annum is Rs. 90. The corresponding compound interest is?

1. 94.5

2. 92.6

3. 94.2

4. 94.1

5. 92.5

46. The cost of fencing a circular plot at the rate of Rs15 per m is Rs 6600. What will be the cost of flooring the plot at the rate of Rs 50 per sq m?

1. 6,70,000

2. 5,50,000

3. 7,70,000

4. 6,50,000

5. 5,60,000

44. A box contain 10 Black balls, 7 White balls and 12 Red balls. A ball is drawn at random. What is the probability that the ball drawn is either Black or White ?

47. Average weight of 20 men is 72 kgs, and the average weight of 34 women is 62.5 kgs. What is

the average weight (rounded off to the nearest integer) of all the men and the women together?

1. 52 kg

2. 66 kg

3. 63 kg

4. 60 kg

5. 50 kg

48. Steve is older than Mark by 4 years. If the ratio of their current ages is 7:9, what will be the corresponding new ratio of their ages when Mark is twice as old as he is now?

1. 2:3

2. 1:4

3. 2:5

4. 7:8

5. 6:8

49. A, B and C can do a work in 20, 30 and 60 days respectively. How many days does it need to complete the work if A does the work and he is assisted by B and C on every third day?

1. 10 days

2. 12 days

3. 8 days

4. 15 days

5. 5 days

50. A train has a length of 150 meters . it is passing a man who is moving at 2 km/hr in the same direction of the train, in 3 seconds. Find out the speed of the train.

1. 180 kmph

2. 182 kmph

3. 185 kmph

4. 190 kmph

5. 195 kmph

English

Directions (51 –60): Read the following passage carefully and answer the questions given below it.

India's tourism industry is experiencing a strong period of growth, driven by the burgeoning Indian middle class, growth in high spending foreign tourists, and coordinated government campaigns to promote 'Incredible India'. The tourism industry in India is substantial and vibrant, and the country is fast becoming a major global destination. India's travel and tourism industry is one of them most profitable industries in the country, and also credited with contributing a substantial amount of foreign exchange. This is illustrated by the fact that during 2006, four million tourists visited India and spent US $8.9 billion. Several reasons are cited for the growth and prosperity of India's travel and tourism industry. Economic growth has added millions annually to the ranks of India's middle
class, a group that is driving domestic tourism growth. Disposable income in India has grown by 10.11% annually from 2001-2006, and much of that is being spent on travel. Thanks in part to its booming IT and outsourcing industry a growing number of business trips are made by foreigners to India, who will often

add a weekend break or longer holiday to their trip. Foreign tourists spend more in India than almost any other country worldwide. Tourist arrivals are projected to increase by over 22% per year through till 2010, with a 33% increase in foreign exchange earnings recorded in 2004.

The Tourism Ministry has also played an important role in the development of the industry, initiating advertising campaigns such as the 'Incredible India' campaign, which promoted India's culture and tourist attractions in a fresh and memorable way. The campaign helped create a colorful image of India in the minds of consumers all over the world, and has directly led to an increase in the interest among tourists. The tourism industry has helped growth in other sectors as diverse as horticulture, handicrafts, agriculture, construction and even poultry. Both directly and indirectly, increased tourism in India has created jobs in a variety of related sectors. The numbers tell the story: almost 20 million people are now working in the India's tourism industry. India's governmental bodies have also made a significant impact in tourism by requiring that each and every state of India have a corporation to administer support issues related to tourism. A new growth sector is medical tourism. It is currently growing at around 30% per annum. Medical tourist arrivals are expected to reach one million soon.

Medical tourism in Asia has grown rapidly. Medical tourism is approaching fever pitch at the tune of $4 billion US, fuelled largely by the cosmetic surgery market. One of the problems India has, despite having some world-class hospitals, is sanitation. The tourism industry of India is based on certain core nationalistic ideals and standards which are: Swaagat or welcome, Sahyog or cooperation, Soochanaa or information, Sanrachanaa or infrastructure, Suvidha or facilitation, Safaai or cleanliness and Surakshaa or security.

51. Choose the word which is MOST OPPOSITE in meaning of the word burgeoning as used in the passage?
1) thriving
2) sprouting
3) incorporating
4) decreasing
5) growing

52. Find the correct statement on the basis of the given passage.
(A) The tourism industry in our country manages to attract the world tourist.
(B) India has continued to represent a place much sought after for its diversity.
(C) India has potential to emerge as one of the world's tourist hot spots.
1) Only (A)
2) Only (C)
3) Both (A) and (B)
4) All (A), (B) and (C)
5) Other than given options

53. Choose the word which is MOST SIMILAR in meaning to the word "cited" as used in the passage?
1) pointed out
2) withheld
3) inserted
4) imputed
5) sourced

54. Which of the following statements correctly represent (s) the reason behind the expansion of India's travel and tourism Industry?
1) India is a vast country of great beauty and diversity.
2) India's vast cultural heritage
3) The successful launch of very penetrative ad campaign
4) Business trips to India
5) All of the above

55. What is the meaning of the phrase "fever pitch" as used in the passage?

1) A high degree of excitement
2) A state of suffering
3) Beyond the expectations
4) Meeting the target
5) Other than given options

56. Which of the following is false in respect of India's medical tourism?

1) India's medical tourism sector is expected to experience an annual growth rate of 30%.
2) An estimated one million tourists will travel to India for healthcare procedures every year.
3) The advantage of medical treatment in India includes reduced costs not the availability of latest medical technologies.
4) All 1), 2) and 3)
5) Other than given options

57. Give a suitable title to the given passage.

1) Medical tourism in India
2) Tourism Industry–A special focus of India
3) Foreign tourist arrival and forex earning in India
4) Domestic Tourism in India
5) Employment Opportunities in Tourism

58. The author in the given passage is
A) skeptical about the growth of India's medical tourism
B) of the view that lots of efforts can bring about significant changes in India's tour and travel industry.
C) not in favour of investing on various ads

1) Only A
2) Only B
3) Only C
4) Both A and C
5) Both B and C

59. As mentioned in this passage, in order to developing the tourism industry the role of the tourism ministry is

1) Considerable
2) Imperceptible
3) Unique
4) Ambiguous
5) Other than given options

60. Which of the following statement is true about "Incredible India" campaign?

1) It is a window policy to boost the direct as well as indirect investment in tourism.
2) It promotes India as a tourism destination.
3) It pledges for best services in Air India and in Indian Rail.
4) Only 1) and 2)
5) All 1), 2) and 3)

Directions (61 –70): Read the following passage carefully and answer the questions given below it.

The last 10 years have seen an extraordinary quantum of interest and debate on the benefits and dangers of modernisation of India's retail sector, though never has this debate been shriller and more contentious than what has been seen in the past. Unfortunately, no discussion has taken place even once in these years on the importance of the retail sector to India (not only just the 15+ million independent retailers and street hawkers), the need to make the producer to the consumer distribution system more efficient and less wasteful, and how to make these millions of independent retailers not only relevant for tomorrow but actually increase their numbers and enhance the economic and social vibrancy of their vocation. Sadly, much more attention has been misguidedly focused on just one single dimension of modernisation of the

distribution and retail infrastructure namely "foreign direct investment". And most of the rhetoric of recent years has largely been on emotional and sometimes incorrect factual positions.

Private consumption has long been the larger constituent of India's economy and even today, it accounts for almost 60% of India's GDP. Of this private consumption, more than 60% is what would constitute what we typically route through retail channels.

The fact is India's retail story is not a zero sum game i.e. growth of new, modern, and sometimes larger in scale retail businesses has to come at the expense of decimation of the traditional, independent retail business owners. Even at a real growth of 6% per year and inflation of about 5% for the next 15 years, India's nominal GDP will be about $8,000 billion in 2026. The size of India's retail market would have also moved up from about $500 billion in 2011 to about $2,500 billion in 2026.

Traditional retail currently accounts for as much as about $475 billion of this market. Even if modern retail attracts as much as $150 billion in fresh direct and indirect investment (from within India and overseas) over the next 15 years (i.e., $10 billion per year), the size of modern retail business in India is not likely to cross $300-350 billion by 2026, implying that traditional retail will account for as much as $2,150-2,200 billion in revenues (or more than four times of their current size).

Accounting for inflation and some increase in productivity of traditional retailers, it can be very confidently assumed that in the most optimistic of all scenarios as far as investment in modern retail is concerned, the numbers of independent retail outlets in India will more than double by 2026 rather than show any decline whatsoever. If these facts are understood , then what should India be doing to facilitate this retail consumption taking place in a planned, organised manner rather than seeing millions of illegal retail establishments sprouting all over ?

First, our politicians, our bureaucrats, and our urban planners must realise the need and relevance of providing for retail spaces in an integrated, holistic planned way. At the very least, about 10-12 square feet of retail space is needed for every urban inhabitant. Urban agglomerations such as NCR, Greater Mumbai, and Kolkata therefore require at least 200 million square feet each of legalised retail space .

61. Which of the following is/ are the major concern for India's retail sector ?
1) More attention is being paid to the possible role of FDI.
2) No efforts are made by the authority to enhance efficiency of retail distribution.
3) The retailers are not regulated.
4) The retail sector in India is a potential retail market for employment prospects.
5) Both 1) and 2)

62. What has/have been suggested by the author? Answer in the context of the passage.
(A) FDI should allowed only in a few restricted sectors.
(B) New players should not be allowed to invest funds.
(C) There should be proper planning for the developing of retail sectors.
1) Only (A)
2) Only (B)
3) Only (C)
4) Only (A) and (B)
5) Only (B) and (C)

63. What does the author mean by 'zero sum gain'?
1) Gain of branded retailers at the cost of traditional retailers.
2) Loss of some best retailers at the gain of others.

3) The number of retailers remain the same over the period of time.
4) Both 1 and 2
5) All 1 , 2 and 3

64. Which of the following is not contextual according to the passage ?
1) The modern retail will grow substantially but not relatively.
2) Traditional retailer will evaporate in the course of time.
3) Traditional retailer will grow relatively.
4) Inflation will be a factor to attribute growth
5) Other than given options

65. Choose the word which is MOST OPPOSITE in meaning to the word 'decimation' as used in the passage?
1) Annihilation
2) Devastation
3) Catastrophe
4) Holocaust
5) Establishment

66. Which of the following is true according to the passage ?
1) Retail market is the backbone of distribution system of the country.
2) Modernisation of India's retail sector is not that pious.
3) Retail management is required to work with wholesale market as well as Internet sales.
4) Independent retailer in the future market is a major concern.
5) Other than given options

67. Choose the word which is MOST OPPOSITE in meaning of the word 'sprouting' as used in the passage?
1) Germinating
2) Burgeoning

3) Proliferating
4) Expanding
5) Subsiding

68. What is the central idea of the given passage ?
1) Impact of FDI on India's retail sector.
2) Growth in India's GDP.
3) Declining trend of traditional retail sector.
4) Issues related to management of modernisation of India's retail sector.
5) Other than given options

69. Give a suitable title to the above passage ?
1) Retailing in India
2) Retail sector in India and growing e–commerce challenge
3) Retail sector in India growing at phenomenal pace
4) India's retail sector: Missing the wood for the trees
5) FDI in retail sector in India

70. Choose the word which is MOST SIMILAR in meaning to the word 'contentious' as used in the passage?
1) Submissive
2) Complaisant
3) Netted
4) Controversial
5) Agreeable

Directions (71-75): The sentence has two blanks. Choose the words that best fit the meaning of the sentence as a whole.

71. Roads in rural India_____ built _____ millions of crores of rupees.
1) are likely to be, with
2) are being, in
3) has been, with
4) have been, for
5) to be, within

72. ___ bad weather conditions in the final match, the batsman ___ the match alive.

1) Despite, kept
2) Inspite of, was keeping
3) Besides, kept
4) Having, had kept
5) Beyond, managed

73. There is certainty _____ the corporation is coming with a preference _____ higher quality.

1) that, for
2) like, of
3) for, in
4) to, for
5) in, to.

74. The Pharma industry in Asia ___ flourished _ the last three decades.

1) have been ,in
2) has ,in
3) has been ,over
4) had ,past
5) None of these

75. Women from poor households ___ included ___ management group.

1) have been ,from
2) are , in
3) has been , by
4) are , at
5) had been , from

Directions (76-80) In the following questions, a sentence , split into four parts, has been given. But the parts are in the wrong order. Choose the best order which produces the original sentence out of four alternatives.

76. to dispose off the waste matter (1) / the modernisation would reduce (2) / provide better sanitary facilities (3)/ manual labour considerably and would also (4)

(a) 1, 2, 3, 4
(b) 2, 4,3, 1
(c) 3, 2, 4, 1
(d) 4, 2, 1, 3

77. With the sole motive (1)/ are engaged in doing home tuitions (2) / of clearing more money (3)/ people cutting across professional lines (4)

(a) 1, 3, 4, 2
(b) 2, 4, 1, 3
(c) 4, 2, 1, 3
(d) 1, 3, 4, 2

78. Sustained and patient effort (1)/ takes months or years of (2)/ building a community (3)/ participation (4).

(a) 3, 4, 2, 1
(b) 4, 3, 2, 1
(c) 1, 2, 3, 4
(d) 4, 3, 1, 2

79. offer much scope for discussion (1)/ when an Indian writer (2) / the problems that arise (3)/ uses English as his medium (4)

(a) 1, 2, 4, 3
(b) 3, 2, 4, 1
(c) 2, 4, 1, 3
(d) 3, 2, 1, 4

80. But it must be realised that (1) / it is true that (2) / this is not because all is well with them (3)/ many Delhites do not complain about water shortage (4).

(a) 1, 2, 4, 3
(b) 1, 4, 2, 3
(c) 2, 4, 1, 3
(d) 4, 3, 1, 2

Directions (81-85): In the following exercise, a sentence is divided into various parts with (/) sign. You have to identify which part of the sentence contains the error. If the sentence is error free, then choose NO Error option.

81. (A) Langar said the work/(B) showed that endothelial cells**/** (C) could line veins, arteries and lymph tissues/.(D) No Error

82. (A) Technical innovations and experiments/(B) with alternative ways of providing infrastructure/ (C) indicates the different principals./(D) No Error

83. (A) The aim of Baconian/(B) philosophy was to provide/ man with what he required / (C) while he continued to be a man./(D) No Error

84. (A) Bacon fixed his eye/(B) on a mark which was placed/(C) on the earth and hits it in the white./(D) No Error

85. (A) The martyrs who laid down their life/(B) for the freedom of our country/,(C) had a lofty vision of the future/.(D) No Error

Direction (86-88) Choose the word which is MOST SIMILAR in meaning (SYNONYM) from the given options.

86. Perched
a) sitting
b) dried
c) hungry
d) placed
e) wet

87. Derives
a) arises
b) deduces
c) reaches

d) gets
e) originates

88. Mendicant
a) beggar
b) saint
c) worker
d) scholar
e) gate keeper

Directions (89-90): Choose the word which is MOST OPPOSITE in meaning (ANTONYM) from the given options.

89. Steadfastness
a) stability
b) firmness
c) industriousness
d) resolute
e) flexibility

90. Picturesque
a) dull
b) vivid
c) shining
d) bright
e) glittering

Reasoning

Directions (Q. 91-95): In each of the following questions below are given some statements followed by some conclusions. You have to take the given statements to be true if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which one of the given conclusions logically definitely does not follow:

91. Statements:

All soils are stones.

Some stones are hills.

All mountains are not clouds.

Conclusions:

l) Some soils being clouds is a possibility.

2) Some soils are hills is a possibility.

3) No stone is cloud.

4) All mountains being stones is a possibility.

5) No stone is a soil.

92. Statements:

Some waters are streams.

All streams are canals.

All canals are rivers,

Some streams are ponds.

Conclusions:

l) All ponds are canals.

2) All canals are pond is a possibility

3) All streams are rivers.

4) All canals are waters is a possibility.

5) All streams are not canals.

93. Statements:

Some trees are forests.

Some forests are animals.

All herbivores are pets.

All animals are not herbivores.

Conclusions:

1) Some trees are animals.

2) No pet is a herbivore.

3) Some trees are animals is a possibility.

4) All herbivores being trees is a possibility.

5) All forest being animals is a possibility.

94. Statements :

Some buses are trains.

Some trains are metroes.

Some metroes are smarts.

All smarts are electronic vans.

Conclusions:

1) No electronic van is a smart.

2) Some metroes are electronic vans.

3) Some trains being electronic vans is a possibility.

4) Some electronic vans are buses is a possibility

5) Some trains are buses.

95. Statements :

All apples are oranges

All apples are not papayas.

Some papayas are guavas.

Some oranges are sweets.

Conclusions:

l) All apples being sweets is a possibility.

2) All guavas are sweets

3) All sweets being guavas is a possibility.

4) Some papayas are not apples.

5) No orange is sweet.

Directions (96 -100) Study the following information carefully and answer the given questions.

Eight Friends Parkash, Qartar, Ram, Sooraj, Takshay, Vanketesh, Wasir and Zubaid out of whom one is a pilot, professor, businessman, doctor, lawyer, banker, cricketer or an architect (but not necessarily in the same order) are sitting around a circular table facing the center. Sooraj who is a banker sits third to right of Zubaid.

The professor and the architect are immediate neighbors of each other. Neither the professor nor the architect is an immediate neighbor of either Zubaid or Sooraj.Cricketer and the pilot are immediate neighbors of each other. Neither Zubaid nor Wasir is a pilot. The one who is a professor sits second to the right of Takshay who is a lawyer. Vanketesh who is a cricketer is not an immediate neighbor of the banker. Only Ram sits between the

professor and the doctor. Parkash sits third to the right of the pilot.

96. Which of the following pairs represents the immediate neighbors of the doctor?
a) Professor - Businessman
b) Pilot - Professor
c) Cricketer - Businessman
d) Lawyer - Architect
e) None of The Above

97. What is the position of the businessman with respect to the pilot?
a) Third to the left
b) Second to the left
c) Immediately to the right
d) Fourth to the right
e) Second to the right

98. Who sits third to the right of the professor?
a) The Banker
b) Qartar
c) The Cricketer
d) The Lawyer
e) None of The Above

99. Which of the following is true regarding Ram?
a) He is a doctor
b) He is an immediate neighbor of the Pilot
c) Ram sits between Qartar and Takshay
d) He is an immediate neighbor of the professor
e) None is true

100. How many people sit between the Banker and Wasir when counted in anti - clockwise direction from the banker?
a) None
b) One
c) Two
d) Three
e) None of The Above

Directions (101 -105): Read the following information carefully to answer the given questions.

- Akram, Bakhtawar, Changez, Dayud, Ekam, Farah, Gulrejr and Humayun are seated in straight line facing north.
- Changez sits fourth to the left of Gulrej. Dayud sits second to right of Gulrej.
- Only two people sit between Dayud and Akram. Bakhtawar and Farah sits adjacent to each other.
- Humayun is not an immediate neighbor of Dayud.

101. Who among the following sits exactly in the middle of the persons who sit fifth from the left and the person who sits sixth from the right?
a) Changez

b) Humayun

c) Ekam

d) Farah
e) None of The Above

102. Who among the following sits third to the right of Changez?

a) Bakhtawar

b) Farah

c) Akram

d) Ekam

e) None of The Above

103. Which of the following represents persons seated at the two extreme ends of the line?

a) Changez and Dayud

b) Akram and Bakhtawar

c) Bakhtawar and Gulrej

d) Dayud and Humayun

e) None of The Above

104. What is the position of Humayun with respect to Farah?

a) Third to the Left

b) Immediate Right

c) Second to Right

d) Fourth to Left

e) None of The Above

105. How many persons are seated between Akram and Ekam?

a) One

b) Two

c) Three

d) Four

e) None of The Above

Directions (106- 110): Seven persons namely Paramjit, Tarun, Morya, Jeeva, Vaani, Ram and Waqar are good friends and are studying in M.Com, M.A. and M.Sc courses. Three are doing M.Com, two are in M.A. and another two are in M.Sc. Each of them has a very distinct and favorite color choice ranging from blue, red, yellow, white, black, pink and brown but not necessarily in the same order. None doing M.Com like either red or black. Morya is doing M.A. and he likes blue. Ram is doing M.Sc and likes brown. Jeeva is doing M.Com and likes yellow. Paramjit who does not like red is in the same discipline of Ram. Tarun is in the same discipline of Morya. Vaani does not like pink.

106. Which among the following groups is doing M. Com?
a) Jeeva, Vaani and Waqar
b) Vaani, Waqar and Tarun
c) Jeeva, Vaani and Tarun
d) Jeeva, Paramjit and Ram

107. What is the color combination choice of those who are in M.Sc discipline?
a) Brown and Pink
b) Black and White
c) Black and Brown
d) Yellow and Black
e) None of The Above

108. Which color does Vaani like?
a) Yellow
b) Pink
c) White
d) Brown
e) None of The Above

109. What is the color combination choice of those who are in M.A. discipline?
a) Red and Black
b) Blue and Red
c) Blue and Black
d) None of The Above

(b) 4 years

(c) 6 years

(d) All of the above

(e) None of these

110. Morya is related with which discipline?
a) M.Sc.
b) M.A.
c) M.Com
d) M.BA
e) None of these

111. Anita is 24. She is twice as old Bala was, when she was as old as Bala is now. What is Bala's present age?

(a) 14 years

(b) 16 years

(c) 20 years

(d) 18 years

(e) None of these

114. The ages of Mohani, Rohani and Sohani total 47 years. what was the total of their ages three years ago?

(a) 44 years

(b) 38 years

(c) 41 years

(d) 40 years

(e) None of these

112. Today is Saurabh's birthday. One year from today he will be twice as old as he was 10 years ago. How old is Saurabh today?

(a) 20 years

(b) 22 years

(c) 21 years

(d) 19 years

(e) None of these

115. Three years ago, Rashmi was 5 years older than Diwan. what is the difference between their ages today?

(a) 3 years

(b) 4 years

(c) 5 years

(d) 2 years

(e) None of these

113. Chinku is twice as old as Guddu and four years older than kittu. kittu is eight. How old is Guddu?

(a) 2 years

Directions (116- 120): A number arrangement machine when given an input line of numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input : where age 42 earn 17 Money in daddy 7 9

Step I : age when 42 earn 17 Money in daddy 7 9

Step II : age 42 we earn 17 Money in daddy 7 9

Step III : age 42 earn we 17 Money in daddy 7 9

Step IV : age 42 earn 7 we 17 Money in daddy 9

Step V : age 42 earn 7 in we 17 Money daddy 9

Step VI : age 42 earn 7 in daddy we 17 Money 9

Step VII : age 42 earn 7 in 17 daddy we Money 9

Step VIII : age 42 earn 7 in 17 daddy 9 we Money

Step IX : age 42 earn 7 in 17 daddy 9 Money we

Step IX is the last step.

116. If the following is the II nd step of an input what will be Vth step?

Step II : After 89 she 38 wins 11 Olympic 22 the 7

(1) after 89 she 7 the 22 Olympic 11 wins 38

(2) after 89 Olympic she 38 wins 11 22 the 7

(3) after 89 Olympic 7 she 38 the wins 11 22

(4) after 89 Olympic 7 she 38 the 11 wins 22

(5) None of the above

117. Which of the following is the last step for the Input 'eat 9 fast icecream 22 3 umbrella cat 5'?

(1) cat eat 9 fast 5 icecream 22 umbrella 3

(2) eat 22 icecream 3 umbrella 9 cat 5 fast

(3) eat 22 umbrella 3 icecream 9 cat 5 fast

(4) eat 22 icecream 3 umbrella5 cat 9 fast

(5) None of the above

118. Which step will be the last step for the Input 'elephant 17 free open 41 27 danger 15'?

(1) IV

(2) V

(3) VI

(4) VII

(5) None of these

119. Which word/number will be at 4th from the left in step V for the given input in above question?

(1) 41

(2) danger

(3) open

(4) 15

(5) None of these

120. Which word/number will be 3rd to the right of '41' in step IV for the given input in Q. 3?

(1) open

(2) danger

(3) 15

(4) 17

(5) None of these

121. P's father is Q's son .M is the paternal uncle of P and N is the brother of Q .How is N related to M?

(a) Brother

(b) Nephew

(c) Cousin

(d) Data inadequate

(e) None of the above

122. B is the husband of P. Q is the only grandson of E, Who is wife of D and mother - in-law of P. How is B related to D?

(a) Cousin

(b) Son -in-law

(c) Son

(d) Nephew

(e) None of these

123. A retiring President was asked who would succeed him as head of the firm , and he replied ,"The father of my successor is my father's son, but I have no brothers or sons."Who will succeed him ?

(a) Himself

(b) His nephew

(c) his Daughter

(d) His sister

124. Looking at a portrait, a man said ,"That man's father is my father's son. Brothers and Sisters I have none." At whose portrait was the man looking ?

(a) His own

(b) His son's

(c) His father's

(d) His uncle's

125. Pointing to the lady in the photograph , Seema said, "Her son's father is the son-in-law of my mother." How is Seema related to the lady?

(a) Sister

(b) Mother

(c) Cousin

(d) Aunt

Directions(126 – 130): In each of the following questions two statements (A) and (B) are given. These statements may be either independent causes or may be effects of independent causes or a common cause.

One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements

Give answer

(1) if statement (A) is the cause and statement (B) is its effect

(2) if statement (B) is the cause and statement (A) is its effect

(3) if both the statements (A) and (B) are independent causes

(4) if both the statements (A) and (B) are effects of independent causes

(5) if both the statements (A) and (B) are effects of some common causes

126. A. The local administration announces to block many roads of the town for one day owing to influx of many pilgrims.

B. Many schools of the town declared holiday on the day. Pilgrims came to the town.

127. A. The prices of vegetables have reduced considerably during the past two weeks.

B. The prices of foodgrains have reduced considerably during the past two weeks.

128. A. The employees of an union of an organizations have appealed to its members to give their best to boost production in the coming months.

B. The management of an organization has announced productivity linked bonus for its employees.

129. A. The production of wheat during the current year breaks all the past records.

   B. The production of wheat in last year was much less than the production in the previous year.

130. A. The large shareholders of the company decided to buy the share of small shareholders.

   B. The company is suffering loss for the last three quarters.

Directions(131 – 135) - Each of the following questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Give Answer
a) If the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question
b) If the data in Statement II alone are sufficient to answer the question,while the data in Statement I alone are not sufficient to answer the question
c) If the data either in Statement I alone or Statement II alone are sufficient to answer the question
d) If the data in both the Statement I and II together are not sufficient to answer the question
e) If the data in both the Statement I and II are together necessary to answer the question

131. What is the difference in the age of Paarth and Keshav?
I. Paarth is 20 years older than Mohan
II. Mohan is 2 years younger than Zorawar

132. The sum of ages of Manak, Neesha and Opendar is 50 years. What is Neesha's age?
I. Neesha is 10 year older than Manak

II. Opendar is 30 year old
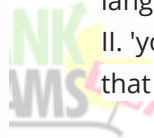
133. How many students are there in the class?
I. There are more than 20 but less than that 27 students in the class.
II. There are more than 24 but less than 31 students in the class. The number of students in the class can be divided into groups such that each group contains 5 students.

134. Among five friends - Jatin, Kalu, Lucky, Manish and Naresh each of a different height, who is the second tallest?
I. Naresh is taller than Manish and Kalu. Kalu is shorter than Manish.
II. Lucky is taller than Naresh. Jatin is not the tallest.

135. How is 'call' written in a code language?
I. 'call me back' is written as '531' in that code language.
II. 'you can call me any time' is written as '94163' in that code language

Direction (136-140): Study the information carefully and answer the questions given below:

In a certain code language 'jo bi la de' stands for 'top school produces winner'; 'cr la tu fy' stands for 'winner in every form'; 'fy cr hr ek' stands for 'every college in area'; 'mu de cr ek' stands for 'every school area secured'.

136. Which of the following word stands for 'college'?
a) de
b) jo/bi
c) hr
d) mu
e) la

137. What does 'fy' stands for?

a) every

b) secured

c) college

d) winner

e) in

138. What is the code for "winner form university"?

a) de cr mu

b) la tu de

c) la hr tu

d) la tu xo

e) la tu jo

139. If "curriculum in school" coded as "rt fy de", then what is the code for "curriculum"?

a) rt

b) fy

c) de

d) hr

e) fy/de

140. What does 'jo' stands for?

a) top

b) secured

c) producers

d) top/producers

e) area

General Awareness

141.Many times we see in newspapers that some projects are launched by the government authorities on 'PPP' basis .What is the full from of PPP ?

(a) Preferential Payment Plan

(b) Public-Private Partnership

(c) Partial Payment Project

(d) Popular Private Project

142. The government of India recently decided to allow Currency Futures in India. In addition to Ministry of Finance which is/are the other organisation(s) Whose permission/approval is needed for such operations in India ?

1. International Monetary Fund (IMF)

2. Reserve Bank of India (RBI)

3. Securities and Exchange Board of India (SEBI)

A. Only 1

B. Only 2

C. Only 3

D.Only 2 and 3

143. The Reserve Bank of India has decided to help banks, as a temporary measure , by providing additional liquidity support under LAF. What is the full form of LAF ?

(a) Loan Adjustment Fund

(b) Liquidity Adjustment Facility

(c) Long Awaited Funds

(d) Loan Against Funds

144. Which of the following is/are different categories of Inflation ?

1. Open and suppressed

2. Cost push

3. Demand pull

A. Only 1

B. Both 1 and 2

C. Both 2 and 3

D. All of these

145. The process of the total valuation of the Financial capital assets of a country is technically known as :

(a) Market Capitalization

(b) Gross Domestic product

(c) Net wealth of the country

(d) Gross Domestic Resources

146. Very often we read about special Economic Zones (SEZs) in newspapers. what was the purpose of promoting SEZs in India ?

1. They are established to promote exports.

2. They are established to attract investment from foreign countries

3. They are established to help poorest of the poors in India as the activities of these zones are reserved only for poors and those living below poverty line

A.. Only 1

B. Only 2

C. Only 3

D. Both A and B only

147. Which of the following is the full form of the term SLR as used in the banking sector ?

(a) Social Lending Ratio

(b) Statutory Liquidity Ratio

(c) scheduled Liquidity Rate

(d) None of these

148. When the common people of a nation start getting very high salary or wages , the consumption of the goods like eatables and white goods, also start increasing .This situation brings which of the following types of inflation in the economy ?

1. Cost push inflation

2. Demand pull inflation

3. Low inflation

A. Only 1 & 3

B. Only 2

C. Only 3

D. All of these

149. Which of the following decisions taken by the RBI will promote the concept of financial inclusion in the country ?

(a) To appoint some additional entities as business correspondents

(b) To collect reasonable service charges from the customer in a transparent manner for providing the services

(c) To ask the banks to open at least 50 new accounts daily in non serviced areas

(d) Only A & B'

150. The bank rate means :

(a) Rate of interest charged by commercial banks from borrowers

(b) Rate of interest at which commercial banks discounted bills of their borrowers

(c) Rate of interest allowed by commercial banks on their deposits

(d) Rate at which RBI purchases or rediscounts bills of exchange of commercial banks

151. Which of the following is/are true about the sub-Prime crists "?

1. It is a Mortgage Crisis referring to credit default by the borrowers

2. Sub-Prime Borrowers were those borrowers who werre rated low and were high risk borrowers

3. This crisis originated of neglience in credit rating of the borrowers

A. Only 1

B. Only 2

C. Only 3

D. All of these

152. Many times we read about Future Trading in newspaper .What is Future Trading ?

1. It is nothing but a trade between any two stock exchanges where in it is decided to purchase the stocks of each other on a fixed price throughout the year.

2. It is an agreement between two parties to buy and sell an underlying asset in the future at a predetermined price

3. It is agreement between stock exchange that they will not trade the stocks of each other under any circumstances in future or for a given period of time

A. only 1
B. Only 2
C. Only 3
D. All of these

153. Which of the following correctly describes the concept of 'Nuclear Bank' floated by International Atomic Energy Agency ?

1. It is nuclear fuel bank to be shared by all the nation jointly.
2. It is a facility to help nations in enrichment of uranium
3. It is an agency which will keep a close vigil on the nuclear programme of all the nations

A. Only 1
B. Only 2
C. Both 1 and 3 only
D. Only 3

154. One of the major emphasis of basel II is that banks should have :

(a) adequate Capital adequacy Ratio
(b) Only few branches in urban centres
(c) more and more branches in rural areas
(d) core banking mode of operations

155. Who the current governor of Reserve Bank of India ?

a. Urjit Patel
b. Raghuram Rajan
c. D. Subbarao
d. Y. V. Reddy

156. Who is the Chief Justice of India

a. J. S. Khehar
b. H. L. Dattu
c. T. S. Thakur
d. Rajendra Mal Lodha

157. Who has been named as TIME person of the year 2016

a. Narendra Modi
b. Donald Trump
c. Hilary Clinton
d. Barack Obama

158. Union Cabinet approves Metro Rail Project at

a. Mumbai
b. Chennai
c. Chandigarh
d. Pune

159. Recently ISRO launched Remote sensing satellite, what is the name of this satellite

a. Resourcesat-2A
b. Resourcesat-3A
c. Resourcesat-2B
d. Resourcesat-2D

160. Boliver is the currency of

a. Chile
b. Argentina
c. Venezuela
d. Uruguay

161. Which Indian boxer will receive Legends Award' by Amateur International Boxing Association (AIBA) ?

a. MC Mary Kom
b. Vijender Singh
c. Akhil Kumar
d. Hawa Singh

162. Who has been named as the Best Actor at the 10th Asia Pacific Screen Awards held in Brisbane, Australia

a. Sanjeev Kumar
b. Ashok Kumar

c. Manoj Bajpayee

d. Om Puri

163. India's first underwater festival to be held in

a. Assam

b. Pune

c. Bihar

d. Goa

164. Who won 'Peter England Mr India' pageant

a. Vishnu Raj Menon

b. Amit Khanna

c. Nivedita Saboo

d. Manoj Bajpayee

165. Who holds Cabinet Law Ministry in India

a. Raj Nath Singh

b. Manohar Parikar

c. Kalraj Mishra

d. Ravi Shankar Prasad

166. Samvidhan Diwas or the Constitution Day of India is being observed on

a. 26th November

b. 22th November

c. 18th November

d. 15th November

167. Union Government has constituted a new committee to form a strategy to expedite the process of transforming India into a cashless economy. Who is the head of this committee

a. Jagat Prakash Nadda

b. Harsh Vardhan

c. Amitabh Kant

d. Vijay Goel

168. Who has been appointed as new Director of Lal Bahadur Shastri National Academy of Administration (LBSNAA) at Mussoorie.

a. Upma Chowdhary

b. Rajeev Kapoor

c. Ravi Shankar Prasad

d. Raj Nath Singh

169. World Robot Olympiad 2016 to be held at

a. Manipur

b. Nagaland

c. New Delhi

d. Sikkim

170. The govt will open how many Jan Aushadhi stores in 2016-17 across the country?

a) 500

b) 1,000

c) 1,500

d) 3,000

171. The World Intellectual Property Day is observed on

a) 26 Apr

b) 24 Apr

c) 22 Apr

d) 20 Apr

172. The regulation and supervision of the functions of Co-operative banks and RRBs rests with the

a) NABARD

b) NHB

c) SIDBI

d) SBI

173. Rand is the currency of which of the following countries?

a) Brazil

b) Malaysia

c) Philippines

d) South Africa

174. The committee set up for doubling farmers' income by 2022 is headed by

a) Abhay Kumar Singh

b) Durga Sakthi Nagpal

c) Anil Goswami

d) Ashok Dalwai

175. The training exercise, Nomadic Elephant-2016, was held recently between India and

a) US

b) Japan

c) South Korea

d) Mongolia

176. _____ is set to print its own version of the US dollar in order to ease a cash shortage in the country.

a) Cuba

b) Zimbabwe

c) Colombia

d) Chile

177. Rrom Apr 2016, the IRDA has allowed banks to tie up with _____ insurer(s) in each category of life, non-life and standalone health.

a) One

b) two

c) three

d) five

178. The book titled 'Ace Against Odds' is the autobiography of

a) Saina Nehwal

b) Mary Kom

c) Sania Mirza

d) Chanda Kochhar

179. Name the recently added 189th member of the IMF and the World Bank

a) Nauru

b) South Sudan

c) Honshu

d) Luzon

180. A semiconductor device can perform the function of a(n)

a) vacuum tube

b) Super conductor

c) insulator

d) All the above

Computer Awareness

181. In which generation of computer, Integrated Circuit was introduced?

1. First Generation

2. Second Generation

3. Third Generation

4. Fourth generation

5. Fifth Generation

182. What is called the sharing of a medium and its path by 2 or more devices?

1. Multiplexing

2. Multiprocessing

3. Multi-operating

4. Multitasking

5. Multisharing

183. What is used to save a document in different locations?

1. Save

2. Save as

3. Insert

4. Enter

5. New

184. What is the full form of 'RAID'?

1. Random Access of Inexpensive disks

2. Redundant Array of Inexpensive data

3. Random Array of Inexpensive data

4. Random Array of Internet data

5. Redundant Array of Inexpensive disks

185. The combination of ALU and Control Unit jointly known as

1. Hard disk
2. Monitor
3. CPU
4. UPS
5. Software

186. What is called, a concentric circle on a disk?

1. Sector
2. Track
3. Section
4. Arc
5. Directory

187. Which key launched the start button?

1. Windows
2. Esc
3. Shift
4. Function key
5. Num lock

188. A computer professional who writes and tests software are called a

1. hardware consultant
2. librarian
3. hardware consultant
4. computer operator
5. data entry operator

189. Which function key is used to refresh the current window?

1. F1
2. F5
3. F3
4. F6
5. F4

190. Which of the following is the first graphical web browser?

1. MSN
2. Mozilla
3. Chrome
4. Mosaic
5. Internet explorer

191. Are we building the right product? This statement refers to

1. Verification
2. Validation
3. Testing
4. Software quality assurance
5. None of these

192. BCC in the internet refer to

1. Blind Carbon Copy
2. Black Carbon Copy
3. Blank Carbon Copy
4. Blue Carbon Copy
5. None of these

193. Which of the following is the correct use of Buffer or Block cashes?

1. Improve disk performance
2. Handle interrupts
3. Increase the capacity of main memory
4. Speed up main memory read operations
5. None of these

194. The principal electronic payment systems for electronic commerce is

1. Credit card
2. Digital wallet
3. Electronic cheque
4. All of the above
5. None of these

195. _____ allows wireless mobile device to access the internet and its services such as the web and email.

1. TCP

2. Ethernet

3. WAP

4. Token ring

5. None of these

196. The conversation of electronic data into another form is called-

1. Biometrics

2. Encryption

3. Compression

4. Encapsulation

5. None of these

197. Which of the following protocol have file edit capability in remote logging?

1. FTP

2. TFTP

3. Telnet

4. SMTP

5. None of these

198. Grammar of the programming is checked at which phase of compiler?

1. Semantic analysis

2. Syntax analysis

3. Code generation

4. Code optimization

5. None of these

199. End to End connectivity is provided from which of the following layer?

1. Network layer

2. Session layer

3. Transport layer

4. Data link layer

5. None of these

200. JPEG stands for -

1. Joint Photographic Expert group

2. Joint Photographic Expert graphics

3. Join Photographic Expert group

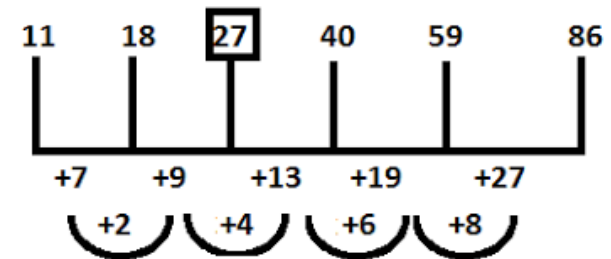4. Join Photographic Expert graphics

5. None of these

Answer :

1. 4;
The series is

Hence, there should be 60 in place of 59.

2. 1;
The series is

Hence, there should be 27 in place of 30.
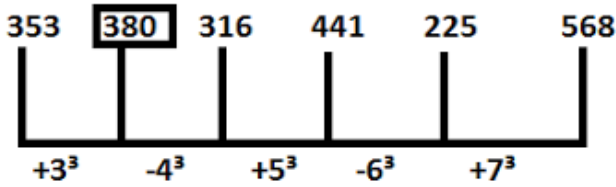
3. 5;
The series is
$2^3 - 3 = 5$, $3^3 - 4 = 23$, $4^3 - 5 = 59$
$5^3 - 6 = 119$, $6^3 - 7 = 209$, $7^3 - 8 = 335$
Hence, there should be 23 in place of 30.

4. 3;
The series is
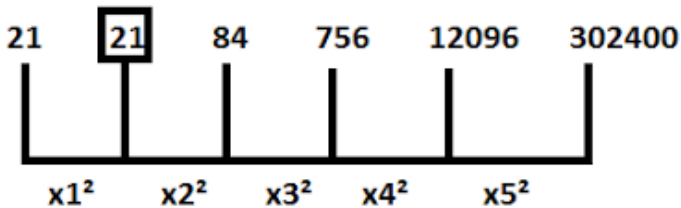
```
353  [380]  316   441   225   568
  |    |      |     |     |     |
 +3³  -4³   +5³   -6³   +7³
```

Hence, there should be 380 in place of 385.

5. 2;
The series is

```
21  [21]  84   756   12096   302400
 |   |     |     |      |       |
x1²  x2²  x3²   x4²    x5²
```

Hence, there should be 21 in place of 29.

6. e) Combining both statements we get

C>E>N=T=W>L

Thus N=W is true, again E>L is true, , so both conclusions (I) and (II) are true .

7. b) Combining both statements we get

Q>M>E=R<S>P

No Relation Can't be established between P & Q, but M>R is true, so conclusion (II) is true.

8. e) Combining both statement we get

X>W<T=G and G=T>W>D>B

Hence G>D is right again T>B is true. Hence both the conclusions are true.

9. d) Combining both statement we get

N<R=K<L>U>F

No Relation can establish between R & F and N&U. So, conclusion (I) nor (II) is true.

10. e) Combining both statements we get

C>R>T=M<P<N

Thus C>M is true, again T<N is true, so both conclusions (I) and (II) are true .

11. 1;
Total number of students

$$= 3\sqrt{29791} = 31$$

12. 4;
CP of the article

$$= 5000 \times \frac{75}{100} \times \frac{90}{100} + 5000 = Rs. 38750$$

∴ Profit percentage
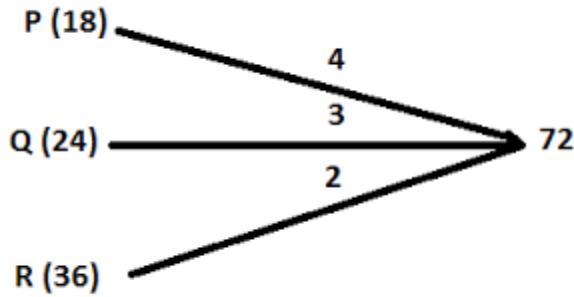
$$= \frac{50,000-38750}{38750} \times 100$$

= 29.03% gain

13. 5;
Five years ago the average age of 4 boys = 9 years
The present average age of 4 boys = 9+5 = 14
So the present age of new boys = 15 + 4 x 1 = 19 years

14. 2;

P (18)
4
3
Q (24)   72
2
R (36)

Units of work done in 3 days = (2 + 3 + 4) = 9
∴ 72 units of work will be done in = 3 x 8 = 24 days

15. 3;
SP = 100, SP (with tax) = 130
New SP = 100 - 5 = 95
Effective discount = 130 - 95 = 35
So, when SP of 95, discount = 35
And when SP of Rs. 16,150, discount = 35/95x16150 = Rs. 5950

16. 3;
Procuremet Department:

Male manager = $\frac{5}{9}$ x 2700 = 1500

Female Manager = $\frac{4}{9}$ x 2700 = 1200

Male Officers = $\frac{9}{22}$ x 2200 = 900

Female Officers = $\frac{13}{22}$ x 2200 = 1300

Total female employees = 1200 + 1300 = 2500Total male employees = 1500 + 900 = 2400
∴ Required percentage more

$= \frac{2500 - 2400}{2400}$ x 100 = 4%

17. 5;
Female managers in Finance department

$= \frac{11}{25}$ x 2500 = 1100

Male managers in Sales department

$= \frac{9}{16}$ x 2400 = 1350

∴ Required percentage

$= \frac{1100}{1350}$ x 100 = 81%

18. 4;
Female managers in Operation and Finance departments together

$= \frac{4}{11}$ x 2200 + $\frac{11}{25}$ x 2500

= 800 + 1100 = 1900
Male officers in Operation and Finance department together

$= \frac{6}{14}$ x 2800 + $\frac{17}{32}$ x 3200

= 1200 + 1700 = 2900
∴ Rquired ratio = 19: 29

19. 5;
Male officers in Advertising and Sales departments

$= \frac{9}{16}$ x 1600 + $\frac{8}{13}$ x 2600

= 900 + 1600 = 2500
∴ Required percentage

$= \frac{2500}{1600 + 2600}$ x 100 = 59.5%

20. 3;
Female officers in Advertising and Public relation

$= \frac{7}{16} \times 1600 + \frac{11}{20} \times 2500$

= 700 + 1375 = 2075

Female managers in Advertising and Public Relation

$= \frac{17}{29} \times 2900 + \frac{4}{9} \times 1800$

= 1700 + 800 = 2500

∴ Required difference = 2500 - 2075 = 425

21. 5;

Required Ratio

= (1800 + 2500 + 2400 + 2200) : (3200 + 1600 + 2600 + 2200)

= 8900 : 9600 = 89:96

22. 3;

Required answer

$= (\frac{24}{100} \times 5800 - \frac{28}{100} \times 3600)$

$+ (\frac{11}{100} \times 5800 - \frac{14}{100} \times 3600)$

= 1392 - 1008 + 638 - 504 = 384 + 134 = 518

23. 5;

Required percentage

$= \frac{15 \times 36}{16 \times 58} \times 100 = 58\%$

24. 1;

Required average

$= \frac{(24 \times 58 - 28 \times 36) + (11 \times 58 - 14 \times 36) + (18 \times 58 - 21 \times 36)}{3}$

$= \frac{1392 - 1008 + 638 - 504 + 1044 - 756}{3}$

= 268.67 = 269

25.. 4;

Required percentage

$= \frac{(18 \times 58 - 21 \times 36) + (31 \times 58 - 22 \times 36)}{(31 \times 58 + 18 \times 58)} \times 100$

$= \frac{(1044 - 756) + (1798 - 792)}{1798 + 1044} \times 100$

$= \frac{288 + 1006}{1798 + 1044} \times 100 = \frac{1294}{2833} \times 100 = 46\%$

26. 3;

Required ratio

= 18 x 58 : 21 x 36

= 58 : 42 = 29 : 21

27. 4;

Required difference

$= \frac{5}{14} \times \frac{21}{100} \times 10000 - \frac{4}{9} \times \frac{24}{100} \times 6000$

= 750 - 640 = 110

28. 1;

Required percent

$\frac{\frac{6}{100} \times 10000 \times \frac{1}{5}}{\frac{8}{100} \times 6000 \times \frac{7}{8}} \times 100$

= 28.57%

29. 3;

Number of boys (as required)

$= \frac{24}{100} \times 6000 \times \frac{4}{9} + \frac{20}{100} \times 6000 \times \frac{3}{8}$

= 640 + 450 = 1090

Number of girls (as required)

$$= \frac{6}{100} \times 10000 \times \frac{1}{5} + \frac{21}{100} \times 10000 \times \frac{9}{14}$$

$$= 120 + 1350 = 1470$$

∴ Required percent less

$$= \frac{1470-1090}{1470} \times 100 = 26\% \text{ less}$$

$$= \left[\frac{13 \times 11}{16} + \frac{18 \times 5}{12} + \frac{17 \times 3}{8} + \frac{8 \times 7}{8} + \frac{24 \times 5}{9} + \frac{20 \times 5}{8}\right] \times \frac{6000}{100 \times 6}$$

$$= \left[\frac{143}{16} + \frac{15}{2} + \frac{51}{8} + \frac{56}{8} + \frac{40}{3} + \frac{100}{8}\right] \times 10$$

$$= \left[\frac{143+120+102+112+200}{16} + \frac{40}{3}\right] \times 10$$

$$= \left(\frac{677}{16} + \frac{40}{3}\right) \times 10$$

$$= \left(\frac{2031+640}{48}\right) \times 10 = 556$$

30. 5;
Required average

31. 2;
Required ratio

$$= \frac{3}{8} \times \frac{10}{100} \times 10000 : \frac{5}{8} \times \frac{17}{100} \times 6000 = 10:17$$

Directions (32-35)

Number of candidates qualified in the year
2013 = 45 x 1420 = 63900
2014 = 52 x 1800 = 93600

States	2013	2013		2014	2014	
	Qualified	M	F	Qualified	M	F
S_1	18 x 639 = 11502	6390	5112	20 936 = 18720	11648	7072
S_2	16 x 639 = 10224	7668	2556	12 x 936 = 11232	7020	4212
S_3	12 x 639 = 7668	4473	3195	16 x 936 = 14976	10296	4680
S_4	16 x 639 = 10224	5538	4686	15 x 936 = 14040	8100	5640
S_5	25 x 639 = 15975	8307	7668	22 x 936 = 20592	12870	7722
S_6	13 x 639 = 8307	7384	923	15 x 936 = 14040	7722	6318

32. 2;
Required percentage

$$= \frac{2556}{11648} \times 100 = 22\%$$

33. 1;
Required average

$$= \frac{7068+4212+4680+5940+7722+6318}{6} = 5990$$

34. 3;
Required ratio

= 5112 + 3195 : 11648 + 10296
= 8307 : 21944

35. 3;
Required average

$$= \frac{10224+7668+10224+8307}{4} = 9105.75$$

36. Given number = 169q + 78

= 13 (13 q + 6)
=> The number is completely divisible by 13.

37. Let the distance travelled by the first train be x km.
. . Distance travelled by the second train = x + 120 km

Now, x/50 = x + 120/60

. . x = 600 km
Distance between A and B = x + x + 120 = 1200 + 120
= 1320 km

38. 4;

Q takes x days and P takes x+10 days
Both are completed the work = (1/x)+(1/x+10) = 20/3
==> 3x ^{2}-10x-200=0
==> x = 10, -20/3
Days cant be negative sign . so X = 10
P alone completed = 10+10=20 days

39. 1;

==> 25/100 x 1320 + 64/100 x 4000

==> 330+2560 = 2890

40. 3;

[1500 x R1 x 3] /100 – [1500 x R2 x 3] /100 =13.5
==>4500 (R1 – R2) = 1350
==>R1 – R2 =1350/4500=0.30%

41. 4;

Present age Ratio = 6:7

Difference = 7-6 = 1

1 unit ----- 4 years

6 units ---- 24years

7 units ---- 28 years

after 4 years P and Q age = 28 years and 32 years

Ratio = 28:32= 7:8

42. 3;

Total score in 11 matches = 11*50 =550

First 6 matches total score = 6*49= 294

Last 6 matches total score = 6*52 = 312

 6th match score = (294+312)-550=56

43. **1;**

 P = 90*100/(2*10) = 450

C.I = 450(1+(10/100))^2 - 450= 450 * 121/100 - 450 = 94.5

44. 2;

Total no of balls =10+7+12 = 29
Probability of Black balls =10/29
Probability of White balls = 7/29
Probability of Either Black or White = 10/29 + 7/29 = 17/29

45. 1;

P,Q and R salaries Ratio = 5:3:2 = 500:300:200
If P Salary Increases 20% = 500×(20/100) = 100 =>
500+100 = 600
If Q Salary Increases 10% = 300×(10/100) = 30 =>
300+33 = 330
If R Salary Increases 20% = 200×(20/100) = 40 =>
200+40 = 240
New Ratios = 600:330:240 = 20:11:8

46. 3;

==> 2 x pi x r = 6600/15 =440m
==> r = 70m
Area = pi x r ²= 22/7 x 70 x 70 = 15,400
Total cost = 15,400 x 50=7,70,000

47. 2;

Total Weight of men = 20 x 72= 1440
Total Weight of women = 34 x 62.5 = 2125
Average weight of all men and women =
(1440+2125)/(20+34) = 66.01~ = 66 kgs

48. 4;
Ratio difference = 9-7=2 units
Age difference = 4
2 units ---------- 4
7 units --------- ?
Mark age = 14 years
Similarly Steve age = 18 years
Mark is twice as old as he is age = 14 +14 =28
At the same time Steve age = 18+14 = 32
New ratio = 7:8

49. 4;
L.C.M of 20,30 and 60 = 60 = Total work
A efficiency = 60/20 =3
B efficiency = 60/30 = 2

C efficiency = 60/60 = 1
A working 2 days and third day they all working
together
So total efficiency = A efficiency + A efficiency + A , B
and C efficiency (for 3days)
==> 3+3+6=12
Work completed = 60/12 = 5
Total days = 5*3 = 15 days

50. 2;
Speed x 10 --------- 36 sec (its gives how many meters
travelled in 36 sec)
Train speed = x kmph
Man speed = 2 kmph
Relative Speed = x-2
(X-2) x 10 ----------- 36 sec
150.   ---------- 3 sec
==> 30(x-2) = 5400
==> x = 182kmph

51. 4
52. 4
53. 1
54. 5
55. 1
56. 3
57. 2
58. 2
59. 1
60. 2

61. 5
62. 3
63. 4
64. 2
65. 5
66. 5
67. 5
68. 4
69. 4
70. 4

71. 4
72. 1

73. 1

74. 2

75. 1

76. 1

77. 3

78. 1

79. b

80. c

81. D; no error
82. C; indicate will be used
83. D; no error
84. C; hit will be used.
85. A; lives will be used
86. a
87. d
88. A

89. e
90. A

91. There is no definite relation between soil and cloud. But the possibility in 1) exists. Hence conclusion l) conclusion 1) follow.
Again, All soil are stones (A) + some stones are hills (I) = A + I = No conclusion. But the possibility in 2) exists and the possibility between mountains and stone also exists. Hence conclusion 4) follows Now, All mountains are not clouds (O) some mountains are not clouds (O). So, we can't say no stone is cloud. Hence 3) may follows. Again, All soils are stone (A) — conversion some stones are soils (I). Hence 5) does not follow.

92. Some streams are pounds (I) conversion Some pounds are streams (I) + All streams are canals (A) =

I+A Some pounds are canals. Thus conclusion l) may follows and possibility in 2) exist. Hence But the conclusion 1) and 2) follow.
Again, All streams are canals (A) + All canals are rivers (A) = A + A = A = All stream are rivers (A). Hence 3) follows. Now, Some waters are streams (I) + All streams are canals (A) = I + A = I = Some waters are canals (I). Thus, possibility in 4) exists. Hence 4) follows. From statements second conclusion 5) does not follow.

93. 2; From statements first and second.
Some trees are forest (I)+ Some forests are animals (I)=I+I = No conclusion. But 1) may follows and possibility in 3) exists. Hence conclusion 1) and 3) follow. Again, all herbivores are pets (A) – conversion – Some pets are herbivores (I). Hence conclusion 2) does not follow. From statements second possibility in 5) exist. Hence 5) follows. And possibility in 4) also follows.
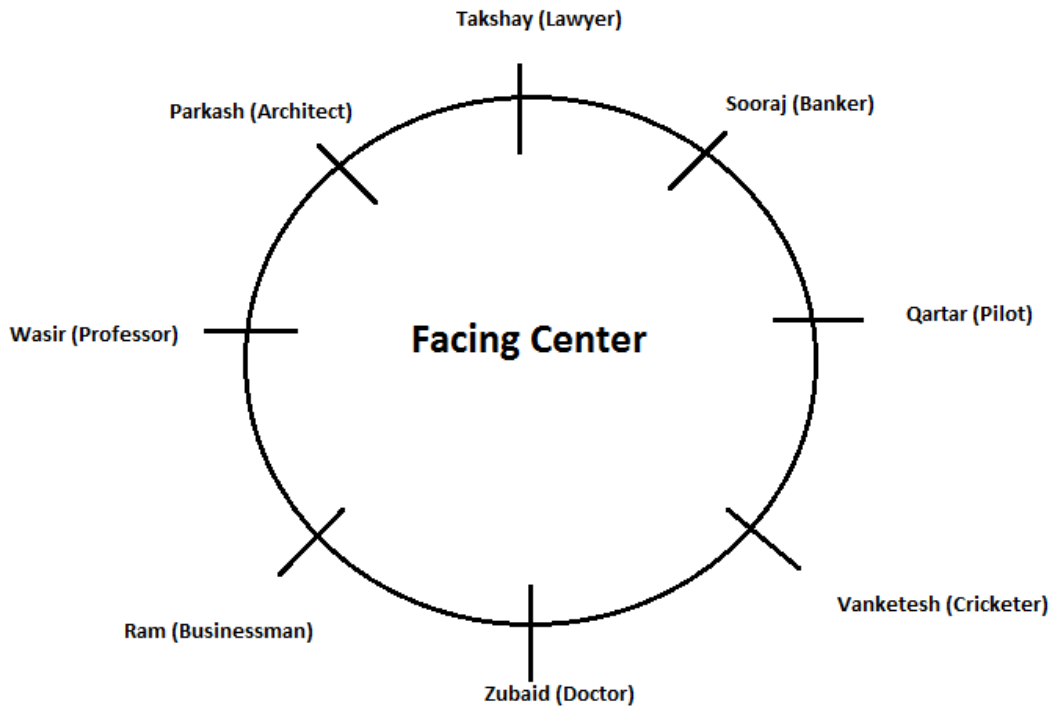
94.1; Some metroes are Smart (I)+ All smart are electronic vans (A)= I+A=I= Some metroes are electronic vans (I). Hence conclusion 2) follows. But from statement four conclusion 2) follows. But from statement four conclusion 1) does not follow. There is no negative statements. So possibility in 3) and 4) exist. Hence conclusion 3) and 4) follow.
Again, conclusion 5) follows from statement first.

95.5; All apples are oranges (A)-conversion – some oranges are apples (I)+ All apples are not papayas (O)- conversion – some apples are not papayas (O)=I+O= No conclusion.
So, the possibilities in 1) and 3)exist. And conclusion 2) and 4) may follow.
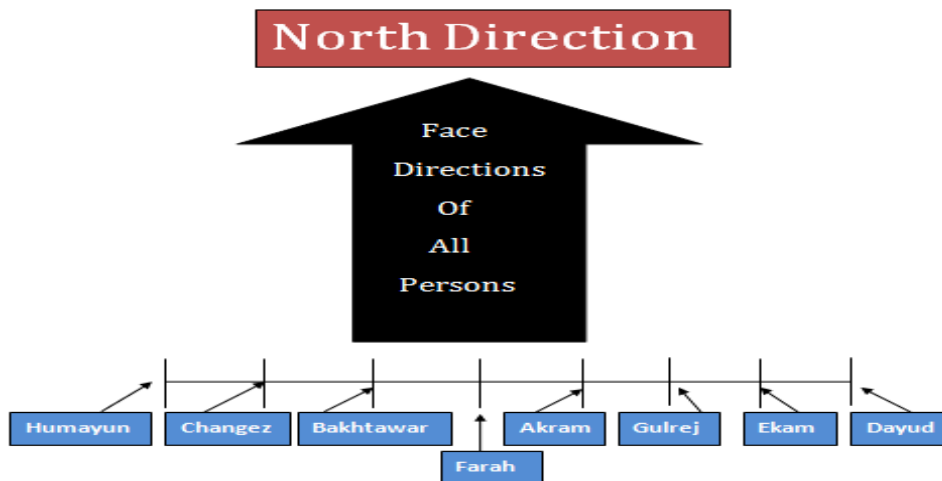Again, conclusion 5) does not follow from statement four.

(96- 100):

96. (Option C)

97. (Option A)

98. (Option C)

99. (Option D)

100. (Option C)

(101- 105):

101. (Option D)
102. (Option C)
103. (Option D)
104. (Option A)
105. (Option A)

(106-110)

Persons	Courses	Colors
Jeeva	M.Com	Yellow
Vaani	M.Com	White
Waqar	M.Com	Pink
Morya	M.A.	Blue
Tarun	M.A.	Red
Ram	M.Sc.	Brown
Paramjit	M.Sc.	Black

106. (Option A)
107. (Option C)
108. (Option C)
109. (Option B)
110. (Option B)

111.
Let x = Anita's age now.
= Difference between their ages NOW is 24-x.
24 - x years ago, Bala was a years old, while Anita was x-(24-x) = 2x - 24.
During that time, x = 2(2x-24), or x = 4x - 48, or 3x = 48, or x = 16.
Thus Anita is 16 years old now.

112. 21 years. One year from today he will be 22, and twice as old as he was 10 years ago, i.e. when he was 11.

113. 6 years

114. 38 years

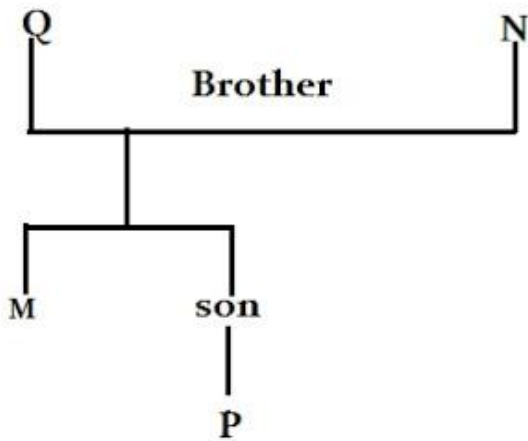**115.** 5 years. The difference in their ages will always remain the same.

116. 3

117. 2

118. 3

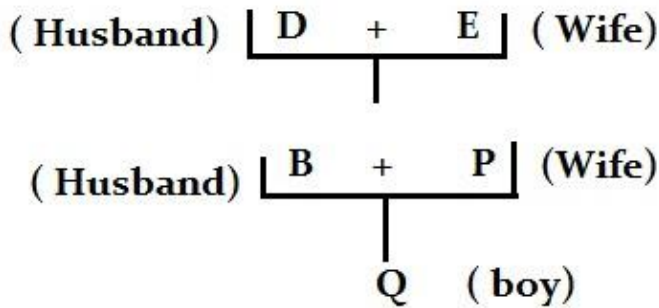**119.** 4

120. 2

121. None of the above

122. Son

123. His Daughter

124. His son's

125. Sister

126. Both the statements (A) and (B) are effect of some common causes.
127. Both the statements (A) and (B) are effects of some common causes.
128. Statement (A)-Cause; Statement (B)-Effect
129. Both the statements (A) and (B) are effects of independent causes.
130. Statement (B)-cause; Statement (A)-Effect

131 (Option D)
Relation between Paarth and Keshav can not be established with the help of both Statements I and II. So, both the statements are not sufficient to answer the question.

132 (Option E)
As given in the Question, M + N + O = 50 yr
N = M + 10
So, Now solve the equation
M + N + O = 50
M + (M + 10) + 30 = 50
2 M + 40 = 50

2M = 50 - 40
2M = 10
M = 10/2
M = 5
N = M + 10
N = 5 + 10
N = 15
So, both statements are required to answer the question.

133 (Option E)
From Statement I
Number of Students in class = 21 or 22 or 23 or 24 or 25 or 26
From Statement II
Number of Students in class = 25 or 26 or 27 or 28 or 29 or 30
Since, number of students can be divided into groups of 5 students, therefore number of students must be multiple of 5.
Number of students in the class = 25 or 30
On combining Statements I and II
Number of students in the class = 25
Hence, the data in both the Statement I and II together are necessary to answer the question.

134 (Option D)
From Statement I
Naresh > Manish > Kalu
From Statement II
Lucky > Naresh
From both the Statements
Lucky > Naresh > Manish > Kalu
But height of Jatin is not clear.
Thus, second tallest friend can't be determined.
Hence, data neither in Statement I nor in Statement II are sufficient to answer the question.

135 (Option D)
Both the statements are not sufficient.

(136-140)
School-de
Every-cr
Area-ek
Secured-mu
In-fy
College-hr
Winner-la
Form-tu
Top/Produces-jo/bi

136. c
137. e
138. d
139. a
140. D
141. b
142. d
143. b
144. c
145. a
146. d
147. b
148. b
149. d
150. d
151. d
152. b
153. b
154. a
155. a
156. c
157. b
158. d

159. a	**184.** 5
160. c	**185.** 3
161. a	**186.** 2
162. c	**187.** 1
163. b	**188.** 3
164. a	**189.** 2
165. d	**190.** 4
166. a	**191.** 2
167. c	**192.** 1
168. a	**193.** 4
169. c	**194.** 4
170. d) 3,000	**195.** 3
171. a) 26 Apr	**196.** 2
172. a) NABARD	**197.** 3
173. d) South Africa	**198.** 2
174. d) Ashok Dalwai	**199.** 3
175. d) Mongolia	**200.** 1
176. b) Zimbabwe	
177. c) three	
178. c) Sania Mirza	
179. a) Nauru	
180. a) vacuum tube	
181. 3	
182. 2	
183. 2	