

REASONING

- In a certain code language, 'no more food' is written as 'ta ka da' and 'more than that' is written as 'sa pa ka'. How is 'that' written in that code language ?
 (1) sa
 (2) ka
 (3) sa or pa
 (4) Data inadequate
 (5) None of these
- In a certain code SHOULDER is written as VPITQDCK. How is MORNINGS written in that code ?
 (1) OSPNRFMH
 (2) NPSORFMH
 (3) OSPNHMFR
 (4) OSPNSFEM
 (5) None of these
- In a certain code GUEST is written as 53@\$2 and MEAN is written as 6@4#. How is SAME written in that code ?
 (1) 4\$6@ (2) \$46®
 (3) \$36@ (4) 5\$6@
 (5) i\one of these
- D is brother of K, M is sister of K. R is father of D and S is mother of M. How is K related to R ?
 (1) Son
 (2) Daughter
 (3) Son or daughter
 (4) Data inadequate
 (5) None of these
- If it is possible to make only one meaningful English word with the first, the fifth, the ninth and the tenth letters of the word SEQUENTIAL, which of the following will be the second letter of that word ? If no such word can be formed give 'X' as the answer and if more than one such word can be formed, give T as the answer.
 (US) (2) A
 (3) E (4) X
 (5) Y

- Sushil walked 15 metres towards South, took a left turn and walked 20 metres again he took a left turn and walked 15 metres. How far and in which direction is he from the starting point ?
 (1) 20 metres, West
 (2) 20 metres, East
 (3) 50 metres, West
 (4) 50 metres, East
 (5) Data inadequate
- How many such pairs of digits are there in the number 254983 each of which has as many digits/ between them in the number as when the digits are rearranged in descending order within the number ?
 (1) None (2) One
 (3) Two (4) Three
 (5) More than three
- How many such pairs of letters are there in the word CHRONICLE each of which has as many letters between them in the word as in the English alphabet ?
 (1) None (2) One
 (3) Two (4) Three
 (5) More than three
- If V means \times ; '+' means '='; '-' means '+' and 'x' means '-'; then $20 - 16 + 4 \times 3 \div 2 = ?$
 (1) 16 (2) 30
 (3) 18 (4) 24
 (5) None of these
- Pointing to a boy in a photograph Sudhir said "He is the son of my maternal grandfather's only child". How is the boy related to Sudhir ?
 (1) Self
 (2) Brother
 (3) Cousin brother
 (4) Data inadequate
 (5) None of these

Directions (11 - 15): In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. You have to

take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

11. Statements:

Some tools are radios.
 Some radios are ponds.
 Some ponds are mirrors.
 All mirrors are chalks.

Conclusions:

- Some mirrors are tools.
 - Some chalks are ponds.
 - Some ponds are tools.
 - Some chalks are radios.
- (1) None follows
 (2) Only I follows
 (3) Only II follows
 (4) Only III follows
 (5) Only IV follows

12. Statements:

All chairs are sofas.
 All sofas are books.
 All books are nets.
 All nets are gardens.

Conclusions:

- Some nets are sofas.
 - Some gardens are books.
 - Some nets are chairs.
 - All books are gardens.
- (1) Only I, II and III follow
 (2) Only I, III and IV follow
 (3) Only II, III and IV follow
 (4) All I, II, III and IV follow
 (5) None of these

13. Statements:

All monkeys are parrots.
 No parrot is crow.
 Some crows are horses.
 All horses are tigers.

Conclusions:

- Some tigers are parrots.
- Some crows are monkeys.
- No tiger is parrot.
- Some horses are parrots.

- (1) None follows
 (2) Only II follows
 (3) Only III follows
 (4) Only I follows
 (5) Only either I or III follows
14. Statements :
 All houses are rooms
 All rooms are baskets
 All baskets are tyres
 Some [tyres are lanterns

Conclusions :

- I. Some lanterns Sfelrooms.
 II. Some tyres are houses.
 III. Some tires are rooms.
 IV. All houses are baskets.
- (1) Only I, II and III follow
 (2) Only II, III and IV follow
 (3) Only I, III and IV follow
 (4) All I, II, III and IV follow
 (5) None of these

15. Statements:

- Some tractors are buses.
 All buses are trains.
 Some trains are boats.
 All boats are ships.

Conclusions :

- I. Some boats are buses.
 II. Some ships are buses.
 III. Some trains are tractors.
 IV. Some ships are trains.
- (1) Only I and II follow
 (2) Only I and III follow
 (3) Only I and IV follow
 (4) Only II and IV follow
 (5) None of these

Directions (16-20) : Study the following arrangement carefully and answer the questions given below :

Q R 4 \$ 3 K H 1 M D 5 © N E J
 8 I # T V U % W 6 5 B A 7 2 F P

16. How many such numbers are there in the above arrangement each of which is immediately followed by a letter but not immediately preceded by a letter ?
 (1) None (2) One
 (3) Two (4) Three
 (5) More than three
17. How many such consonants are there in the above arrangement each of which is immediately preceded by a number and immediately followed by a symbol ?
 (1) None (2) One
 (3) Two (4) Three
 (5) More than three

18. Which of the following is the sixth to the left of the fourteenth from the left end of the above arrangement ?

- (1) V (2) 1
 (3) 6 (4) ©
 (5) None of these

19. What should come in place of the question mark (?) in the following series based on the above arrangement ?

- 43H D©E ITU ?
 (1) 6A2 (2) 6B2
 (3) W5A (4) W87
 (5) None of these

20. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group ?

- (1) HD3 (2) J©I
 (3) VI% (4) N8D
 (5) B26

Directions (21-25) : In each question below is given a group of digits/symbols followed by four combinations of letters numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of digits/symbols based on the following coding system and the conditions that follow and mark the number of that combination as your answer. If none of the combinations correctly represents the group of digits/symbols mark (5) i.e. 'None of these' as your answer.

Digit / Symbol	9	@	2	4	\$	3	7	%	5	1	5	6	♣	8	⊙
Letter Code	R	W	F	P	A	H	B	M	E	J	Q	I	U	N	T

Conditions:

- (i) If the first unit is an even digit and the last unit is a symbol, both are to be coded as the code for the even digit.
 (ii) If the first unit is a symbol and the last unit is an odd digit, their codes are to be interchanged.
 (iii) If the first unit is an odd digit and the last unit is an even digit, both are to be coded as the code for the odd digit.

21. 853©2S

- (1) NQHTFE
 (2) NQHTFN
 (3) EQHTFN
 (4) EQHTFE
 (5) None of these

22. 4\$%3*6

- (1) PAMHUI
 (2) PAMHUP
 (3) IAMHUP
 (4) IAMHUI
 (5) None of these

23. 9©\$3%6

- (1) IWAHMI (2) RWAHM1
 (3) IWAHMR (4) RWHAMR
 (5) None of these

24. 728%9\$

- (1) AFNMRRB (2) BFNMRB
 (3) AFNMRA (4) BFNMRA
 (5) None of these

25. ©75541

- (1) TBEQPT (2) TBEQPJ
 (3) JBEQPT (4) JBEQPJ
 (5) None of these

Directions (26-30) : Study the following information carefully and answer the given questions :

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input : nine poll 19 34 12 69 hour call

Step I : call nine poll 19 34 12 69 hour

Step II : call 12 nine poll 19 34 69 hour

Step III: call 12 hour nine poll 19 34 69

Step IV: call 12 hour 19 nine poll 34 69

Step V : call 12 hour 19 nine 34 poll 69

and Step V is the last step of the rearrangement of the above input.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

26. Step II of an input is : bend 15 will care 46 53 29 then
 How many more steps will be required to complete the rearrangement?
 (1) Five (2) Three
 (3) Four (4) Six
 (5) None of these

27. Input: land 62 clear over 41 37 again 56
 Which of the following steps will be the last but one ?

- (1) VIII (2) IX
 (3) VII (4) VI
 (5) None of these

28. Step II of an input is : desk 12 year Victor 86 71 störe 65
 Which of the following will be step VII ?

- (1) desk 12 störe 65 year 71 victory 86
 (2) desk 12 stoie 65 71 yearvictory 86
 (3) desk 12 störe 65 year victory 86 71
 (4) There will be no such step
 (5) None of these

29. Inpuu earn 39 23 48 Station 19 begin day

How many teps will be required to complete the rearrangement ?

- (1) Five (2) Seven
 (3) Eight (4) Six
 (5) None of these

30. Step III of an input is : and 25 jungle 93 84 kite more 36

Which of the following is definitely the input ?

- (1) 93 84 kite more and 36 25 jungle
 (2) 9S 81 and 25 kite jungle more 36
 (3) jungle 93 and 84 25 kite more 36
 (4) Cannot be determined
 (5) None of these

Directions (31 - 35): In the following questions, the Symbols δ , $*$, $\%$, $\#$ and $@$ are used with the following meaning as illustrated below :

'P $\%$ Q' means 'P is neither greater than nor equal to Q'.

'P δ Q' means 'P is neither smaller than nor equal to Q'.

'P $@$ Q' means 'P is not greater than Q'.

'P $*$ Q' means 'P is not smaller than Q'.

'P $\#$ Q' means 'P is neither greater than nor smaller than Q'.

Now in each of the foEowing questions assuming the given Statements to be true, find which of the four conclusions I, II, III and IV given below them is/are definitely true and give your answer accördingly.

31. Statements:

H δ J, J $\#$ N, N $@$ R, R δ W

Conclusions:

- I. W $\%$ N
 II. W $\%$ H
 III. R $\#$ J
 IV. R δ J

- (1) Only I is true
 (2) Only II is true
 (3) Only III is true
 (4) Only IV is true
 (5) Only either III or IV is true

32. Statements:

B $@$ D, D δ F, F $\%$ M, M $*$ N

Conclusions :

- I. B $\%$ F
 II. M δ D
 III. N $\%$ F
 IV. DON

- (1) None is true
 (2) Only I is true
 (3) Only II is true
 (4) OnK III is true
 (5) Only IV is true

33. Statements:

R $*$ T, 1 δ M, M $\%$ K, K $@$ V

Conclusions:

- I. V δ M
 II. V δ T
 III. M $\%$ R
 IV. K δ R

- (1) Only I and II are true
 (2) Only I and III are true
 (3) Only II and IV are true
 (4) Only I, III and IV are true
 (5) None of these

34. Statements:

M $\%$ K, K $*$ W, W δ V, V $@$ N

Conclusions:

- I. N $*$ K
 II. M $\%$ W
 III. K δ V
 IV. V $\%$ M

- (1) None is true
 (2) Only I is true
 (3) Only II is true
 (4) Only III is true
 (5) Only IV is true

35. Statements:

F $\#$ Z, Z $@$ H, H $\%$ N, N δ B

Conclusions:

- I. F $@$ H
 II. N δ Z
 III. B $\%$ H
 IV. B $\%$ Z

- (1) Only I and III are true
 (2) Only II, III and IV are true
 (3) Only I and II are true
 (4) Only I, II and III are true
 (5) None of these

Directions (36 - 40): Study the following information carefully and answer the questions given below :

A, B, C, D, E, F, G and H are sitting around a circle facing the centre. D is fourth to the right of H and second to the left of B. F is fourth to the right of E who is not an immediate neighbour of B or D. A is not an immediate neighbour of D.

36. What is B's position with respect to G ?

- (1) Third to the right
 (2) Third to the left
 (3) Fifth to the right
 (4) Fourth to the left
 (5) Fourth to the right

37. In which of the following combinations is the third person sitting in between the first and the second persons ?

- (1) ABC (2) GCD
 (3) AHE (4) CBA
 (5) EFG

38. Who is third to the right of A ?

- (1) H
 (2) E
 (3) F
 (4) Data inadequate
 (5) None of these

39. Who is to the immediate left of D ?

- (1) G
 (2) C
 (3) F
 (4) Data inadequate
 (5) None of these

40. Who is fourth to the left of G ?

- (1) E (2) F
 (3) A (4) H
 (5) Data inadequate

Directions (41 - 45): Study the following information carefully and answer the questions given below:

Following are the conditions for selecting Manager-Marketing in an Organisation. The candidate must —

- (i) be at least 25 years and not more than 30 years as on 01.05.2010.
 (ii) be a graduate in any discipline with at least 55 percent marks.

(iii) have completed post graduate degree/diploma in Marketing Management with at least 60 per-

• j• , , ^Bn^ .flfffiShmavoOsriT

(iv) have post qualification work experience of at least three years in the marketing division in an organisation.

(v) have secured at least 45 percent marks in the selection process.

In the case, of a candidate who satisfies all the conditions **EXCEPT** —

(A) at (ii) above but has secured at least 65 percent marks in post graduation degree/diploma in marketing management, the case is to be referred to GM-Marketing.

(B) At (iv) above but has post qualification work experience of at least one year as Deputy Marketing Manager in an organisation, the case is to be referred, to CGM-Marketing.

In each question below details of one candidate are given. You have to take one of the following courses of action based on the information provided and the conditions and sub-conditions given above and mark the number of that course of action as your answer. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 01.05.2010.

Mark answer (1) if the data provided are not adequate to take a decision.

Mark answer (2) if the candidate is to be selected.

Mark answer (3) if the candidate is not to be selected.

Mark answer (4) if the case is to be referred to G M-Marketing.

Mark answer (5) if the case is to be referred to CGM-Marketing.

41. Archit Pradhan has been working in the Marketing division of an organisation for the past five years. He has secured 60 percent marks in both B.Sc. and post graduate degree in Marketing Management. He was born on 8th May 1984. He has secured 46 percent marks in the selection process.

42. Ankida Bhave has been working in the Marketing division of an organisation for the past four years after completing her post

graduate diploma in Marketing Management with 62 percent marks. She was born on 11th August 1982. She has secured 52 percent marks in B.Sc. She has secured 48 percent marks in the selection process.

43. Subodh Saxena was born on 15th November 1982, He has been working as Deputy Marketing Manager in an organisation for the past two years after completing his post graduate degree in Marketing Management with 68 percent marks. He has secured 56 percent marks in B.Com. and 50 percent marks in the selection process.

44. Nisha Awashti was born on 29th April 1981. She has been working in the Marketing division of an organisation for the past five years after completing her post graduate degree in Marketing Management with 67 percent marks. She has secured 50 percent marks in the selection process and 53 percent marks in B.Com.

45. Shreyas Ingle was born on 12th July 1983. He has secured 57 percent marks in B.Com. He has been working in the Marketing division of an organisation for the past four years after completing his post graduate diploma in Marketing Management with 67 percent marks, He has secured 48 percent marks in the selection process.

Directions (46 - 50) : Below is given a passage followed by several possible inferences which can be drawn from the facts stated in the passage. You have to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity.

Mark answer (1) if the inference is 'definitely true', i.e., it properly follows from the statement of facts given.

Mark answer (2) if the inference is 'probably true' though not 'definitely true' in the light of the facts given. .

Mark answer (3) if the 'data are inadequate', i.e., from the facts given you cannot say whether the inference is likely to be true or false .

Mark answer (4) if the inference is 'probably false', though not 'definitely false' in the light of the facts given.

Mark answer (5) if the inference is 'definitely false', i.e., it cannot possibly be drawn from the facts given or it contradicts the given facts.

Even as the economy is back on track and consumer confidence up, the number of credit cards in the system continues to dip. In the last one year, the total number of credit cards in use has dipped by almost 50 lakhs. According to the latest data released, the number of credit cards dipped to about 2 crores as of end February 2010 from around 2.5 crores a year ago. The data also indicate that average monthly card Spends both in terms of value as well as volume has still not touched the pre-crisis levels. Average monthly spend in Financial Year 2010 has fallen to Rs.5,100 crores against Rs.5,400 crores in Financial Year 2009, while average monthly volumes in the current year has been just 1.94 crores a month compared to 2.16 crores a month in Financial Year 2009. Even peak festival spending through cards in the current fiscal is less than the previous year's levels.

46. Credit card usage in the current year has substantially decreased from Financial Year 2009.

47. There has been a drop of about 40 percent in use of credit card in the current year from the previous year.

48. There has been a drop of about 10 percent in the number of credit card transactions in the current year from the previous year.

49. The drop in usage of credit cards in India is lesser than that in many other countries.

50. People are not using credit cards in the current year due to rampant credit card related fraud.

51. Statement: Many persons in the locality are diagnosed to be suffering from gastro-intestinal diseases after consuming poor quality drinking water supplied by the municipal authority.

Which of the following substantiates the facts stated in the above statement ?

(1) Gastro-intestinal diseases are not very severe in nature

"(2) People suffering from gastro-intestinal diseases need not take medicines. .

- (3) Many people suffer from gastrointestinal diseases after consuming stale food.
- (4) Gastro-intestinal diseases are waterborne diseases.
- (5) None of these
- 52. Statement:** Many students were caught while using unfair means during the final examinations by the special team of the university-
Which of the following can be a possible consequence of the facts stated in the above statement ?
- (A) The teachers responsible for invigilation in all such examination halls where the students were caught are to be suspended from their services.
- (B) All those students who were caught while using unfair means are to be debarred from appearing in these examinations for a year.
- (C) The college should be black-listed by the university for holding final examinations at least for a year.
- (1) Only (A) (2) Only (B)
(3) Only (C) (4) Only (B) and (C)
(5) None of these
- 53. Statement :** Based on the findings of a recent study, it has been reported that regular consumption of ripe mango helps in controlling blood pressure as it increases the level of potassium in the blood stream.
Which of the following contradicts the findings reported in the above statement ?
- (1) Increased level of potassium in blood stream enhances quality of health
- (2) Many people who consume ripe mangoes regularly were found to be suffering from hypertension.
- (3) Consumption of ripe mango helps in storing anti-oxidant in the body.
- (4) Ripe mango is a good source of many vitamins
- (5) None of these
- 54. Statement :** Most part of the boundary walls of the local school collapsed completely last night.
Which of the following can be a

possible consequence of the facts stated in the above statement ?

- (A) The local school authority will close down the school till the boundary walls are erected.
- (B) The Government will levy penalty to the school management , for their negligence.
- (C) The management of the school will erect temporary fences till the boundary walls are erected.

- (1) Only (A) (2) Only (B)
(3) Only (C)
(4) Only (A) and (C)
(5) None of these

- 55. Statement :** The prices of foodgrains and other essential commodities have decreased for the second consecutive week.
Which of the following can be a possible consequence of the facts stated in the above statement ?
- (A) The consumer price index will come down considerably.
- (B) People will increase their purchase of quantity of essential commodities and food grains.
- (C) Government will increase its taxes on essential commodities and food grains.
- (1) Only (A) and (B)
(2) Only (B) and (C)
(3) Only (A) and (C)
(4) All (A), (B) and (C)
(5) None of these

Directions (56 - 60) : In each question below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Give answer (1) if only Assumption I is implicit.

Give answer (2) if only Assumption II is implicit.

Give answer (3) if either Assumption I or Assumption II is implicit.

Give answer (4) if neither Assumption I nor Assumption II is implicit.

Give answer (5) if both Assumptions I and II are implicit.

- 56. Statement:** The Government has recently announced additional food for work programmes for all

the drought affected regions in the country.

Assumptions :

- I. The Government has adequate funds to run these programmes.
- II. Affected people may be able to get at least one meal a day due to these programmes.

- 57. Statement :** Most of the engineering colleges in the state applied to the regulatory body for sanctioning more number of seats for the next academic session.

Assumptions :

- I. The regulatory body may grant additional seats sought for by the engineering colleges of the state.
- II. The engineering colleges of the state may get adequate number of applications to fill in the additional seats.

- 58. Statement :** The Municipal Corporation has announced 50 per cent reduction in water supply till monsoon arrives in the city.

Assumptions :

- I. People may protest against the unilateral decision of the Municipal Corporation.
- II. Municipal Corporation may reduce its taxes from the residents as it failed to provide adequate water.

- 59. Statement :** In view of the severe heat wave passing through the state, the Government has asked all the schools to remain closed for the next fortnight with immediate effect.

Assumptions :

- I. The heat wave may not continue beyond a fortnight.
- II. The parents of the students may not allow their wards to attend school even after a fortnight.

- 60. Statement :** Many people were caught by the railway police while they were trying to cross the railway tracks and imposed heavy penalty before releasing them.

Assumptions :

- I. People may refrain from crossing railway tracks in future.
- II. People may continue crossing railway tracks and pay hefty penalty.

Directions (61-75) : In each of the questions given below with a sequence of figures on the right, the figures on the left were continued ?

Directions (76-80) : What will come in place of the question mark (?) in the following questions ?

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Answer Figures

61. (1) (2) (3) (4) (5)
62. (1) (2) (3) (4) (5)
63. (1) (2) (3) (4) (5)
64. (1) (2) (3) (4) (5)
65. (1) (2) (3) (4) (5)
66. (1) (2) (3) (4) (5)
67. (1) (2) (3) (4) (5)
68. (1) (2) (3) (4) (5)
69. (1) (2) (3) (4) (5)
70. (1) (2) (3) (4) (5)
71. (1) (2) (3) (4) (5)
72. (1) (2) (3) (4) (5)
73. (1) (2) (3) (4) (5)
74. (1) (2) (3) (4) (5)
75. (1) (2) (3) (4) (5)

Directions (76-80) : What will come in place of the question mark (?) in the following questions ?

76. 36% of $420 - 56\%$ of $350 = ? - 94$
 (1) 48.2 (2) 49.2
 (3) -138.8 (4) -158.8
 (5) None of these
77. $\frac{2}{3}$ of $1\frac{2}{5}$ of 75% of $540 = ?$
 (1) 378 (2) 756
 (3) 252 (4) 332
 (5) None of these
78. $(\sqrt{9})^3 \times (\sqrt{81})^5 \div (27)^2 = (3)^{(?)}$
 (1) 5 (2) 4
 (3) 7 (4) 6
 (5) None of these
79. $36 \times 15 - 56 \times 784 + 112 = ?$
 (1) 138 (2) "So
 (3) 158 (4) 258
 (5) None of these
80. $28.314 - 31.427 \times 10 + 28 = ? + 29.114$
 (1) 81.711 (2) 80.711
 (3) 71.711 (4) 81.701
 (5) None of these

Directions (81-85) : What approximate value will come in place of the question mark (?) in the following questions ? (You are not expected to calculate the exact value).

81. 21.7% of $514.9 - 43.44 = \frac{?}{5.5}$
 (1) 320 (2) 335
 (3) 475 (4) 375
 (5) 420
82. $1599 \times 199 \div 49 - 1398 + 3877 = ?$
 (1) 9400 (2) 9000
 (3) 8700 (4) 8400
 (5) 9200
83. $4433.764 - 221.993 - 1133.667 + 3377.442 = ?$
 (1) 4466 (2) 1377
 (3) 3633 (4) 4144
 (5) 3344
84. $(13.96)^2 - (15.03)^2 + (18.09)^2 - 32.65 = ?$
 (1) 223 (2) 264
 (3) 334 (4) 354
 (5) 201

$$85. 7\frac{7}{12} \times 6\frac{7}{19} + 9\frac{1}{3} = ?$$

- (1) 9 (2) 11
(3) 2 (4) 5
(5) 13

Directions (86-90) : What will come in place of the question mark (?) in the following number series ?

86. 13 16 22 33 , 51 (?)
(1) 39 (2) 78
(3) 102 (4) 69
(5) None of these
87. 39 52 78 117 169 (?)
(1) 246 (2) 182
(3) 234 (4) 256
(5) None of these
88. 62 87 187 412 812 (?)
(1) 1012 (2) 1437
(3) 1337 (4) 1457
(5) None of these
89. 7 8 24 105 361 (?)
(1) 986 (2) 617
(3) 486 (4) 1657
(5) None of these
90. 656 432 320 264 236 (?)
(1) 222 (2) 229
(3) 232 (4) 223
(5) None of these

Directions (91-95) : In the following questions two equations numbered I and II are given. You have to solve both the equations and _____

Give answer (1) if $x > y$

Give answer (2) if $x > y$

Give answer (3) if $x < y$

Give answer (4) if $x < y$

Give answer (5) if $x = y$ or the relationship cannot be established

91. I. $3x^2 + 8x + 4 = 0$
II. $4y^2 - 19y + 12 = 0$

92. I. $x^2 + x - 20 = 0$
II. $y^2 - y - 30 = 0$

93. I. $x^2 - 365 = 364$
II. $y - \sqrt{324} = \sqrt{81}$

94. I. $\frac{4}{\sqrt{x}} + \frac{7}{\sqrt{x}} = \sqrt{x}$

II. $y^2 - \frac{(11)^2}{\sqrt{y}} = 0$

95. I. $225x^2 - 4 = 0$
II. $\sqrt{225y} + 2 = 0$

96. Twenty per cent of Anuj's annual salary is equal to seventy five per cent of Raj's annual salary. Raj's monthly salary is 60% of Ravi's monthly salary. If Ravi's annual salary is Rs. 1.44 lacs, what is Anuj's monthly salary ?

- (1) Rs. 2,70,000
(2) Rs. 27,000
(3) Rs. 3,24,000
(4) Rs. 5,400
(5) None of these

97. Ram's present age is three times his son's present age and two-fifth of his father's present age. The average of the present ages of all of them is 46 years. What is the difference between the Ram's son's present age and Ram's father's present age ?

- (1) 68 years (2) 88 years
(3) 58 years
(4) Cannot be determined
(5) None of these

98. The ratio between the speed of a train and a car is 16 : 15 respectively. Also, a bus covered a distance of 480 kms. in 8 hours. The speed of the bus is three-fourth the speed of the train. How much distance will the car cover in 6 hours ?

- (1) 450 km (2) 480 km
(3) 360 km
(4) Cannot be determined
(5) No: AC of these

99. The total area of a circle and a square is equal to 5450 sq.cm. The diameter of the circle is 70 cms. What is the sum of the circumference of the circle and the perimeter of the square ?

- (1) 360 cm
(2) 380 cm
(3) 270 cm
(4) Cannot be determined
(5) None of these

100. The largest and the second largest angles of a triangle are in the ratio of 3 : 2 respectively. The smallest angle is 20% of the sum of the largest and the second largest angles. What is the sum of the smallest and the second largest angles ?

- (1) 80° (2) 60°
(3) 100° (4) 90°
(5) None of these

Directions (101 -105) : Study the information carefully to answer the questions that follow.

In a school there are 1200 students who have visited five different cities viz. Delhi, Kolkata, Varanasi, Mumbai and Jodhpur. Forty five per cent of the total students are boys. Thirty per cent of the total girls visited Mumbai. Two-fifth of the total girls visited Delhi. Number of girls who visited Jodhpur is half of the girls visited Delhi. Two-third of the remaining girls visited Kolkata. Total number of students who visited Mumbai is 300. Twenty per cent of the total boys visited Delhi. Forty per cent of the total boys visited Jodhpur. Equal number of boys visited Kolkata and Varanasi.

101. What is the total number of girls who visited Delhi, Mumbai and Varanasi together ?

- (1) 464 (2) 484
(3) 536 (4) 556
(5) None of these

102. Total number of students who visited Jodhpur is approximately what per cent of number of girls who visited Delhi ?

- (1) 111 (2) 91
(3) 132 (4) 32
(5) 72

103. What is the average number of boys who visited Kolkata, Varanasi and Jodhpur together ?

- (1) 110 (2) 122
(3) 101 (4) 104
(5) None of these

104. What is the total number of students who visited Varanasi ?

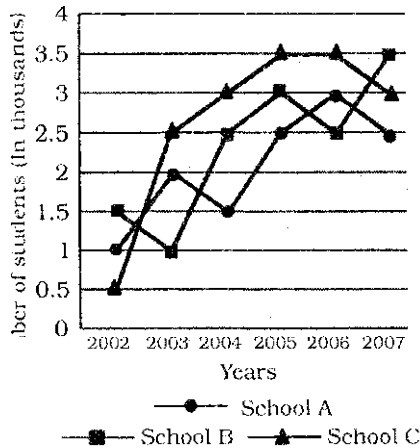
- (1) 78 (2) 69
(3) 102 (4) 103
(5) None of these

105. What is the respective ratio between the number of girls who visited Kolkata and number of boys who visited Mumbai ?

- (1) 22 : 51
(2) 23 : 51
(3) 21 : 55
(4) 51 : 22
(5) None of these

Directions (106-110) : Study the following graph carefully to answer the questions that follow.

Number of Students (in thousands) in three Schools over the years



106. What was the average number of students in all the Schools together in the year 2006 ?
 (1) 30,000
 (2) 9,000
 (3) 3,000 (4) 6,000
 (5) None of these
107. Total number of students in School B and School C together in the year 2004 was **approximately** what percentage of the total number of students in School B and School C together in the year 2007 ?
 (1) 85 (2) 80
 (3) 75 (4) 184
 (5) 131
108. How many times the total number of students in all the three Schools A, B and C together was exactly equal among the given years ?
 (1) 2 (2) 5
 (3) 4 (4) 3
 (5) None of these
109. What was the **approximately** average number of students in School A over all the years together ?
 (1) 1990 (2) 2090
 (3) 2300 (4) 1800
 (5) 2700
110. What was the difference between the total number of students in all the schools together in the year 2003 and number of stu-

dents in School B in the year 2005 ?

- (1) 2000 (2) 3000
 (3) 3500 (4) 2500
 (5) None of these

Directions (111-115): Study the following table carefully to answer the questions that follow.

Number of Officers (in thousands) passed out from five different academies during six different years

Academies Years	Air Force	Army	Navy	Coast Guard	BSF
2004	1.4	4.2	0.6	1.7	2.6
2005	1.7	5.1	0.9	2.8	3.1
2006	0.9	7.7	1.2	1.6	4.7
2007	2.4	3.6	1.8	4.7	5.8
2008	1.3	4.5	2.9	5.1	6.4
2009	2.7	3.9	3.5	3.9	4.3

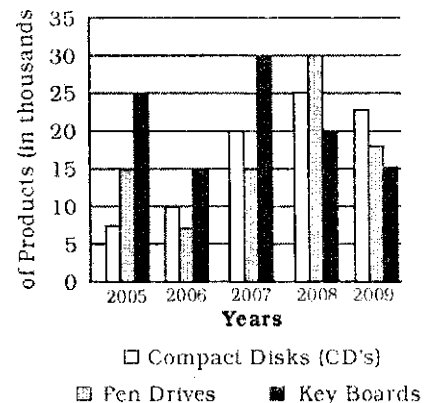
111. In which academy the total number of officers passed out over all the years together was the maximum ?
 (1) Air force (2) Army
 (3) Navy (4) Coast Guard
 (5) BSF
112. Number of officers passed out from BSF academy in the year 2008 was **approximately** what per cent of the total number of officers passed out from Army academy over all the years together ?
 (1) 12 (2) 19
 (3) 33 (4) 28
 (5) 22
113. What was the average number of officers passed out from all the academies together in the year 2007 ?
 (1) 1830 (2) 3660
 (3) 3.66 lacs (4) 1.83 lacs
 (5) None of these
114. In which academy the number of the officers passed out continuously increased during the year 2004 to 2009 ?
 (1) Air Force
 (2) Army and BSF only
 (3) Navy only
 (4) Coast Guard
 (5) BSF and Navy only
115. What was the respective ratio between the number of officers

passed out from Air force academy in the year 2006 and number of officers passed out from Coast Guard academy in the year 2009 ?

- (1) 30 : 17 (2) 3 : 23
 (3) 17 : 30 (4) 45 : 13
 (5) None of these

Directions (116-120) : Study the following graph carefully and answer the questions that follow.

Three different products (in Thousands) produced by a company in five different years



116. What was the total number of all the products produced by the company in the year 2006 and 2008 together ?
 (1) 10750 (2) 107.5 lacs
 (3) 105700 (4) 10570
 (5) None of these
117. What was the average number of Pen-drives produced by the company over all the years together ?
 (1) 1700 (2) 1.7 lacs
 (3) 17000 (4) 85000
 (5) None of these
118. What is the difference between the total number of Pen-drives and CDs produced by the company together in the year 2008 and the number of Key boards produced by the company in the year 2006 ?
 (1) 40000 (2) 4000
 (3) 35000 (4) 3500
 (4) None of these
119. What was the respective ratio between the number of Key boards produced by the company in the year 2006, 2007 and 2009 ?

- (1) 1 : 2 : 3
 (2) 1 : 2 : 2
 (3) 2 : 1 : 3
 (4) 1 : 2 : 1
 (5) None of these
- 120.** What was the respective ratio between the number of CDs produced by the company in the year 2009 and the number of Keyboards produced by the company in the year 2005 ?
 (1) 9 : 10 (2) 11 : 10
 (3) 10 : 9 (4) 10 : 11
 (5) None of these
- 121.** The ratio between the angles of a quadrilateral is 7 : 2 : 5 : 6 respectively. What is the sum of double the smallest angle and half the largest angle of the quadrilateral?
 (1) 162° (2) 198°
 (3) 99° (4) 135°
 (5) None of these
- 122.** The sum of five consecutive numbers is 270. What is the sum of the second and the fifth number ?
 (1) 108
 (2) 107
 (3) 110
 (4) Cannot be determined
 (5) None of these
- 123.** 3 men can complete a piece of work in 6 days. 5 women can complete the same work in 18 days. In how many days will 4 men and 10 women together complete the same work ?
 (1) 3 days (2) 5 days
 (3) 2 days (4) 4 days
 (5) None of these
- 124.** A man crosses a stationary train in 12 minutes. The same train crosses a man in 54 seconds. What is the respective ratio between the speed of the train and the man ?
 (1) 40 : 7
 (2) 400 : 3
 (3) 40 : 3
 (4) Cannot be determined
 (5) None of these
- 125.** If a number is subtracted by two-third of 75 per cent of 600, the value so obtained is 320. What is the number ?
 (1) 300 (2) 620
 (3) 720 (4) 500

-tpiq jgi jyj... of these

GENERAL SOCIO - ECONOMIC AND BANKING AWARENESS

- 126.** As per the news published in various newspapers, some public sector banks are getting fresh capital infusion as a part of the recapitalisation plan announced by the Finance Minister in Unipn Budget 2010-11. How much money was earmarked for the same ?
 (1) Rs. 10,000 crore
 (2) Rs.12,000 crore
 (3) Rs. 15,500 crore
 (4) Rs. 16,500 crore
 (5) None of these
- 127.** As per the reports published in various newspapers, Non-Performing Assets of the banks have increased a little during 2009-10. What does it indicate about the performance of the banks during that period ?
 (A) Banks have not earned good profit during the period.
 (B) Banks had given some loans which became bad loans.
 (C) Banks did not make provision for such bad loans earlier. ...
 (1) Only (A)
 (2) Only (B)
 (3) Only (C)
 (4) Only (A) and (C)
 (5) Only (B) and (C)
- 128.** The RBI has decided to introduce which of the following systems in place of the existing "Benchmark Prime Lending Rate System" for charging interest on loans/advances from July 2010 ?
 (1) Prime Asset Lending System
 (2) Base Lending Rate System
 (3) Net Lending Rate System
 (4) Gross Lending Rate System
 (5) None of these
- 129.** One of the sources of income of banks is to charge fee for certain services. What are some of the services provided by the banks for which they charge fee ?
 (A) Issuing Demand Drafts/Pay Orders
 (B) Issue of ATM/Credit/Debit Cards
 (C) Electronic Transfer of Money
 (1) Only (A)
 (2) Only (B)
- (3) Only (C)
 (4) All (A),(B) and (C)
 (5) None of these
- 130.** Which of the following is the full form of the term SLR as used in the banking sector ?
 (1) Social Lending Ratio
 (2) Statutory Liquidity Ratio
 (3) Scheduled Liquidity Rate
 (4) Separate landing Rate
 (5) None of these
- 131.** As per the news published in a major newspaper, profits of a major private bank in the 4th quarter of the year increased by 35% as the bank decided to keep a tight control on the cost. What are some of the ways by which the banks can control the cost ?
 (A) By lowering down the interest rates on deposits
 (B) By bringing down the operating expenses
 (C) By reducing the interest rates on the credit
 (1) Only (A)
 (2) Only (B)
 (3) Only (C)
 (4) All (A), (B) and (C)
 (5) None of these
- 132.** As we all know, the major source of income of the banks is lending money (providing credit) and earning interest on it. In normal circumstances, the demand of the credit comes mainly from which of the following sectors ?
 (A) Personal Loans
 (B) Priority Sector Lending and Bailout Packages
 (C) Project Finance
 (1) Only (A)
 (2) Only (B)
 (3) Only (C)
 (4) All (A), (B) and (C)
 (5) None of these
- 133.** The set of directive principles issued by the Central Bank of a country or the process adopted by it to control the supply of money, availability of money, cost of money and rate of interest, etc. in order to bring stability and growth of the economy" are commonly known as —
 (1) Monetary policy of the Central Bank of the country

- (2) Budget of the Government
 (3) Profit and loss Account
 (4) Business Policy of the Bank
 (5) None of these
- 134.** As per the news in some major newspapers, 'Kawasaki' has established an Indian unit to manufacture its products locally. What is the product of the Kawasaki ?
 (1) Luxury cars
 (2) Motorcycles
 (3) Tractors
 (4) Power tillers and agricultural equipments
 (5) None of these
- 135.** The Prime Minister of India was recently on a visit to Bhutan. He went there for which of the following purposes ?
 (1) To attend SAARC Summit
 (2) To attend the CHOGAM
 (3) To inaugurate the first nuclear power plant of Bhutan made with the help of India
 (4) He was to attend the 50th Independence Day of Bhutan as Chief Guest
 (5) None of these
- 136.** As per the news published in some newspapers, some Indian business houses are willing to import Uranium from Australia. But due to certain regulatory issues, this is not possible for them. What is/are these regulatory problems particularly those which govern the import/export of Uranium like materials ?
 (A) India has a special agreement with USA which does not allow India to import such radioactive materials from anywhere else
 (B) India is not a signatory of Non-Proliferation Treaty. Hence, it cannot import Uranium from Australia or other such countries
 (C) As per WTO rules, the export-import of radioactive material in its raw form is not allowed as it creates health hazards.
 (1) Only (A)
 (2) Only (B)
 (3) Only (C)
 (4) All (A), (B) and (C)
 (5) None of these
- 137.** Many banks have launched / floated their subsidiaries which are fully owned by them. Banks launch subsidiaries normally for which of the following business- es ?
 (A) Home loan Business
 (B) To sell Insurance Policies
 (C) To control Online Operations or Internet Banking business
 (1) Only (A)
 (2) Only (B)
 (3) Only (C)
 (4) All (A), (B) and (C)
 (5) None of these
- 138.** In one of his speeches, Dr Pranab Sen said that there is no firm indication of sustainable recovery of India's economy. Who is Dr Pranab Sen ?
 (1) He is Chief Statistician of India
 (2) He is Chief Economist of RBI
 (3) He is the Deputy Chairman of the Planning Commission of India
 (4) He is the Foreign Secretary of India
 (5) None of these
- 139.** 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 ?
 (A) Cost inflation
 (B) Demand pull inflation
 (C) Low inflation
 (1) Only (A) and (C)
 (2) Only (B)
 (3) Only (C)
 (4) All (A), (B) and (C)
 (5) Only (A)
- 140.** When the Reserve Bank says that the Rupee is over-valued, it means
 (1) RBI has shortage of hard currency and it has to order for printing of new notes to the press concerned
 (2) Rupee is appreciating against other currencies whereas other currencies are weakening against US Dollar.
 (3) Money is locked in banks and people do not have enough to make their day to day purchases, it is a strategy which brings the inflation down.
 (4) More and more people are selling their stocks. As a result stock market may crash, as there is no hard cash for such voluminous transactions.
 (5) None of these
- 141.** Which of the following public sector banks has the largest number of branches in foreign countries ?
 (1) Bank of India
 (2) Bank of Baroda
 (3) Punjab National Bank
 (4) Corporation Bank
 (5) None of these
- 142.** As per the news in some major newspapers, Tata Group of Industries has launched a joint venture in some countries which is planning to generate power by "**the energy of the heat of the earth**". Energy generated through this method is technically known as
 (1) Hydro-thermal energy
 (2) Natural power energy
 (3) Geo-thermal energy
 (4) Solar energy
 (5) None of these
- 143.** Which of the following is now a fundamental right of every child in India ?
 (1) To get a unique identity card as a proof of citizenship
 (2) To get a free medical aid in any hospital in India, private or government
 (3) To get enough food to survive even without any parental support
 (4) To get elementary education
 (5) All of these
- 144.** "Higher provisioning dragged the profits of the 4th quarter of some banks" was in the news in some major newspapers. This means that the bank
 (1) had many NPAs
 (2) had no NPA
 (3) was in great loss
 (4) was not able to earn any profit last year
 (5) None of these

145. Which of the following agencies/ organizations has proposed to impose Global Taxes on all the banks ? (The issue was discussed in the meeting of the G-20 nations held recently.)
- (1) IMF
 - (2) WTO
 - (3) World Bank
 - (4) Federal Reserves of U.S.A.
 - (5) None of these
146. As we see every day, many Indian banks are in close competition to open their branches/offices in various countries. What benefit will the Indian economy have if banks open branches in a foreign country ?
- (1) It will bring substantial economic benefits to India and also to the countries where branches will be opened.
 - (B) It will help in smooth inflow of FDI, long term capital inflow and also technical know-how to India.
 - (C) It will give better opportunities to Indians to visit foreign nations and get better facilities like education, medical treatment, etc.
- (1) Only (A) (2) Only (B)
 - (3) Only (C) (4) Only (A) and (B)
 - (5) All (A), (B) and (C)
147. As we all know, RBI recently hiked the CRR by 0.25 basis points. What immediate impact will it have on the functioning of banks ?
- (A) Banks will have to lock some additional fund with the RBI without any income generation to the banks on these funds,
 - (B) Banks will have to raise their capital base by bringing IPOs or by taking money from the Government of India.
 - (C) Banks will have to give more funds to priority sectors and less to corporate sector.
- (1) Only (A)
 - (2) Only (B)
 - (3) Only (C)
 - (4) All (A), (B) and (C)
 - (5) None of these
148. Which of the following is NOT the name of a Chemical Fertilizer ?
- (1) Urea
 - (2) Murate of Potash
 - (3) Di ammonium Phosphate
 - (4) Sodium Sulphate
 - (5) All are fertilizers
149. The Securities & Exchange Board of India (SEBI) has asked all FIIs to divulge the structure of their offshore entities. What purpose will it serve ?
- (A) To identify if there is any flow of funds from some questionable sources
 - (B) To know how much money FIIs are planning to invest in India in 2010-11
 - (C) To forecast the possibility of any financial crisis in near future.
- (1) Only (A)
 - (2) Only (B)
 - (3) Only (C)
 - (4) All (A), (B) and (C)
 - (5) None of these
150. Which of the following schemes is to be launched by the Government of India with an initial fund of Rs. 100 crores ?
- (1) Mahila Kisan Sashaktikaran Pariyojana
 - (2) Backward Region Grant Fund
 - (3) Scheme for Women and Child Development
 - (4) Sabke Liye Swasthya Yojana
 - (5) None of these
151. Government of India is making special efforts to bring **second** 'Green Revolution' in a particular region of the country. Which is that region ?
- (1) Central India
 - (2) Vidharbha Region
 - (3) Eastern and North Eastern States
 - (4) Rajasthan
 - (5) Orissa
152. Which of the following programmes has been launched by the 'Ministry of Food and Civil Supplies', of the Government of India ?
- (1) Mid-Day Meal Scheme
 - (2) Wheat-based Nutrition Programme
 - (3) Public Distribution System
 - (4) Annapurna Scheme
 - (5) None of these
153. Which of the following is a sort of Poverty Eradication Programme of the Government of India, specially designed for rural areas ?
- (1) Self Help Group
 - (2) Antodaya Anna Yojana
 - (3) Social Security for Agricultural and unorganized Labour
 - (4) Enforcement of Minimum Wages
 - (5) None of these
154. What is the contribution of the agriculture and allied activities in the total GDP of the country ?
- (1) 4% (2) 8%
 - (3) 12% (4) 23%
 - (5) 17%
155. 'Project Tiger' is a scheme launched by the —
- (1) Government of Gujarat and Madhya Pradesh
 - (2) Government of India
 - (3) United Nations Wild Life Fund
 - (4) Society for Prevention of Cruelty on Animals (SPCA)
 - (5) None of these
156. In each rupee earned by the Government of India, how many paise come from the tax collections or receipts ?
- (1) 29 paise (2) 33 paise
 - (3) 50 paise (4) 71 paise
 - (5) None of these
157. Which of the following is NOT the abbreviated name of a scheme launched for watershed developments in India ?
- (1) DPAP (2) DDP
 - (3) VHNDs (4) IWDP
 - (5) Hariyali
158. Government of India has allocated a special package of central assistance of Rs. 12,000 crores for the drought mitigation in which of the following areas of the country ?
- (1) Bikaner in Rajasthan
 - (2) Kalahandi in Orissa
 - (3) Bundelkhand
 - (4) Vidharbha
 - (5) None of these
159. Which of the following schemes of the Government of India is associated with the health sector?
- (1) NRDP (2) IRDP
 - (3) ASHA
 - (4) Bharat Nirman
 - (5) All of these

160. The per capita income bri current prices in India is R s : ' .
 (1) 20,000 (2) 25,000
 (3) 30,000 (4) 57,000
 (5) 50,000
161. Which of the following terms is NOT used in the game of Football?
 (1) Back Heel (2) Far Post
 (3) Toe Poke (4) Out Swinger,
 (5) Love
162. Which of the following teams won the 58th National Volleyball Championship Tournament held in January 2010?
 (1) Karnataka (2) West Bengal
 (3) Delhi (4) Kerala
 (5) Tamil Nadu
163. The Population Stabilization Scheme launched by the Government of India is named
 (1) Prerna (2) Sthapana
 (3) Unmesh (4) Aaradhana
 (5) None of these
164. World Day for Water is observed on which of the following days ?
 (1) 22nd May
 (2) 22nd April
 (3) 22nd March
 (4) 20th March
 (5) 20th April
165. Which of the following awards is given by the Government of India?
 (1) Kalinga Prize
 (2) Oscar Awards
 (3) Man Booker Prize
 (4) Pulitzer Prize
 (5) Jawaharlal Nehru Award for International Understanding
166. Who amongst the following is the Nobel Prize Winner for Literature for 2009 ?
 (1) Barrack Obama
 (2) Venkatraman Ramakrishnan
 (3) HertaMuller
 (4) V. S. Naipaul
 (5) None of these
167. A.R. Rahman is NOT associated with which of the following films ?
 (1) Ghajini (2) Rock Star
 (3) Slumdog Millionaire
 (4) Fashion (5) Raavan
168. The third permanent research centre being built in Antarctica is named
 (1) Partkrama (2) Rohini
 (3) Bharati (4) Himalaya
 (5) None of these
169. Lin Dan whose name was in the news recently is a famous
 (1) Lawn Tennis player
 (2) Badminton player
 (3) Golf player
 (4) Footballer
 (5) None of these
170. Who amongst the following is the author of the book "Many Lives Many Masters" ?
 (1) Robin Cook
 (2) BriyanViz
 (3) L. K. Advani
 (4) Admiral Vishnu Bhagwat
 (5) None of these
171. Who amongst the following is NOT a Padma Shri Award winner ?
 (1) Virender Sehwag
 (2) Saif Ali Khan
 (3) PL Ulhas Kashalkar
 (4) Abhishek Bachchan
 (5) Saina Nehwal
172. Which of the following countries won the under-19 World Cup Cricket Finals held in 2010 ?
 (1) Bangladesh
 (2) India (3) New Zealand
 (4) Pakistan (5) Australia
173. Lt. General V. K. Singh is the —
 (1) new Lt. Governor of Delhi
 (2) new Lt. Governor of Chandigarh
 (3) new Chief of Armed Forces
 (4) Governor of Rajasthan
 (5) None of these
174. Who amongst the following is the recipient of the prestigious Dada Saheb Phalke Award announced recently ?
 (1) Javed Akhtar
 (2) Gulzar
 (3) Rajesh Khanna
 (4) Dev Anand
 (5) None of these
175. Who amongst the following is adjudged as "European Footballer of the year 2009" ?
 (1) Cristiano Ronaldo
 (2) Lionel Messi
 (3) Thierry Henry
 (4) Michael Owen
 (5) None of these

ENGLISH LANGUAGE

Directions (176 -190): Read the following passage carefully and answer the questions given below it. Certain words have been printed in **bold** to help you locate them while answering some of the questions.

Thinking of what education might look like in the next decade, one quickly realizes that the trends in technology are leaving a large number of our students behind. Today is an age of exponential change. New and ever-improving technologies are popping up every day and in every corner of society.

Educating the best and the brightest in this brave new world will take a new and improved educational **paradigm**. Allowing our educational tools to age in the corner of the classroom will be the mistake that may cost us our future. Throwing away masses of children to **inequitable** access will ensure that we **languish** at the bottom of the global pool of employable workers for decades to come.

Technology will shape the way we educate students in the next decade. A user is not simply a person who uses. For the student, being a user should involve using the latest technology in a free and **autonomous** manner. This new-found freedom will allow the student to become an active participant in his/her education instead of a passive passenger. In our current technological society, being a user also means being tracked. Tracking a student means having the ability to target education towards weaknesses and strengths. The ability to accurately customize curricula to the individual has been the holy grail of educational philosophy for many years. This golden age of technological development may soon enable this dream to become a reality.

Current educational curricula and individual assessment is **arbitrary** at best. Accurately assessing a student can only be achieved by using modern tracking and database technologies. Imagine a world where every child has a tablet computer with ready access to the internet. Further, imagine that every student can access all the knowledge of humankind freely at any moment in time. Continue to imagine a world where a misspelled word brings

up a spelling challenge application instead of an auto correction. Try to contemplate what it would mean for a teacher to have a database of every misspelled word, every misunderstood concept or every missed, equation for each of their students. Try to envision a teacher with the ability to customize the experience of the individual "user" with minimal effort. Imagine the curriculum being automatically targeted to the user through an intuitive educational platform that knows all strengths and each unique weakness. In the last few hundred years, most individuals would consider an education as something you receive. You often hear the question asked, "Where did you receive your education?" As we proceed through the next decade, education will slowly move away from reception and toward being custom designed for the individual user. New technology will not only allow us to receive an education, but also develop an education. The question we might ask in ten years, "How did you develop your education?" The question of where will still be important, but the how of the matter will be the focus that defines the individual.

To make this a reality we will need a standardized platform from which to develop a student's unique education. This standardized platform will allow us to tailor a custom curriculum that will be matched to talents, interests and life goals. For the educator, a standardized platform will create a way to assist the student in discovering a true purpose in life through a unique educational experience. The basics of reading, writing and arithmetic will not be taught as much as they will be discovered and used. Learning will become a **reciprocal** experience between the teacher, the student and the machine.

Under a standardized platform, each of these three participants will have a role to play. The teacher will be the facilitator, assisting the development of the curriculum and inspiring the direction the student takes. The student will be the user, gathering resources, skills and knowledge in an efficient and measured sequence. The machine will do the work of data gathering and analysis, which will assist the teacher and student in refining the curriculum. This data gathering work of the machine will also free the teach-

er from the burden of record-keeping and tedious tasks that currently distract from the real job of teaching and learning.

Under a standardized system, grade level will be far less important. Achievement and progression will be measured by accomplishment and intelligence as a benchmark for success. The question of failure or success will be irrelevant and replaced with a standard and consistent measurement of potential and overall intelligence. Information will no longer be missed but continually rehearsed and monitored for retention by the machine. Tasks such as data tracking, reporting and record keeping are currently accomplished manually. These tasks could easily be delegated to an intuitive database. Developing a standard to follow would eliminate these tasks and free the teacher to do their main job of teaching students.

The next decade may mark the moment in history when all are granted equal access to technology. Access to quality education will only be gained through investment and universal standardization of this technology. If we continue to divert wealth towards fruitless goals and corporate greed, this opportunity will be lost or hopelessly delayed.

176. According to the author, which of the following will be the benefit(s) of introducing a standardized technological platform?

- (A) Potential of a child will take precedence over the grades he/she scores.
- (B) Improving the educational syllabus would become easier.
- (C) Teachers would be able to devote more time to teaching.
- (1) Only (C)
- (2) All (A), (B) and (C)
- (3) Only (B) and (C)
- (4) Only (A) and (B)
- (5) Only (A)

177. Which of the following is/are true in the context of the passage ?

- (C) In the presence of technology each student would require constant monitoring by other individuals to maximize learning.
- (B) Educational philosophy is based on the belief of tailor-

ing educational syllabus to individual student capability.

(C) The author visualizes that each student will have access to technology in the future.

- (1) Only (A) and (B)
- (2) Only (B)
- (3) Only (C)
- (4) Only (B) and (C)
- (5) All (A), (B) and (C)

178. Which of the following is possibly the most appropriate title for the passage ?

- (1) Technology - A Welcome Relief to Teachers
- (2) Revamping the Educational Sector - An Impossible Future
- (3) Education - Arbitrary But a Reality
- (4) Technology and the Economy
- (5) Technology - Reshaping the Future of Education

179. How, according to the author, will the perception towards education change over the next decade ?

- (1) Where an individual gets his education will gain increasing importance
- (2) Education will be viewed as a prerogative of the elite only
- (3) Creativity in an individual will be regarded as needless
- (4) The importance of education will decline
- (5) None of these

180. What does the author mean by the term "tracking a student" ?

- (1) Analyzing the strengths and weaknesses of a student and designing an educational syllabus accordingly
- (2) Assessing whether a student is paying due attention to the existing curriculum offered by an institute of learning
- (3) Analyzing the positives and negatives of an educational institute and modifying it suitably to cater to industrial requirements
- (4) Following a student to the educational institute that he visits frequently in order to estimate the time he spends there
- (5) None of these

181. According to the author, why is the current education provided not satisfactory ?

- (1) The teachers providing education are not qualified enough to emphasize on quality
- (2) Quality of education provided is not uniform across the globe and individual assessment is subjective
- (3) The educational sector is fraught with corrupt practices and thus does not produce the desired result
- (4) The education system is not guided by technology and hence the pace of learning is slow
- (5) There are too many schools in the country which cannot be monitored effectively

182. What is the author's vision regarding the integration of technology with education ?

- (A) A substantial database consisting of each student's learning curve would be readily available.
 - (B) An error would activate a software which would encourage learning rather than auto-correcting.
 - (C) Experimentation in academics would be encouraged.
- (1) Only(C)
 - (2) Only (A) and (B)
 - (3) All(A),(B) and(C)
 - (4) Only (A) and (C)
 - (5) None of these

183. How has the author defined the term 'user' ?

- (1) One who invests in the latest technology even when it is beyond his/her means
- (2) One who uses available technology to the maximum and for the longest period
- (3) One who freely and actively participates in acquiring skills and knowledge in a systematic manner
- (4) Anyone who invests in technology as per his/her requirement and wherewithal
- (5) None of these

Directions (184-187) : Choose the word which is **most similar** in meaning to the word printed in **bold** as used in the passage.

184. **RECIPROCAL**

- (1) interactive
- (2) unresponsive
- (3) reverse
- (4) regular
- (5) inverse

185. **PARADIGM**

- (1) change
- (2) shift
- (3) future
- (4) model
- (5) diagnosis

186. **AUTONOMOUS**

- (1) single
- (2) independent
- (3) governed
- (4) forceful
- (5) insufficient

187. **DELEGATED**

- (1) taxed
- (2) demoted
- (3) input
- (4) authorized
- (5) assigned

Directions (188-190) : Choose the word which is most opposite in meaning to the word printed in **bold** as used in the passage.

188. **INEQUITABLE**

- (1) abundant
- (2) complete
- (3) unequal
- (4) fair
- (5) sufficient

189. **LANGUISH**

- (1) ripen
- (2) hasten
- (3) flourish
- (4) weaken
- (5) climb

190. **ARBITRARY**

- (1) objective
- (2) deliberate
- (3) random
- (4) transparent
- (5) lawful

Directions (191-195) : Which of the phrases (1), (2), (3) and (4) given below each sentence should replace the phrase given in **bold** in the following sentence to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and 'No correction is required', mark (5) as the answer.

191. After enjoying one of the biggest successes of Indian cinema, the actor **is pulled the brakes** on his career.

- (1) has putting brake
- (2) has pulled the brakes
- (3) is braking
- (4) is put brakes
- (5) No correction required

192. Many of our tinsel town beauties **will bit the panic button** if they didn't have at least one movie in hand.

(1) would hit panicky buttons

(2) would hit the panic button

(3) will be hitting panic buttons

(4) have hit panicky button

(5) No correction required

193. Alarm **to** declining marriage figures and increasing divorce rates, the government has come up with a novel way to tackle the issue.

(1) Aiamiingly on

(2) Alarming as

(3) Alarms with

(4) Alarmed by

(5) No correction required

194. The two sisters **dropped in to** watch the film with none other than their father.

(1) dropping in for

(2) dropped by as

(3) drop on to

(4) dropped in for

(5) No correction required

195. The researchers found that children with lung disease **are at increase risk** for developing a second type of pneumonia.

• (1) were at increased risk

(2) is increasingly risking

(3) is increased risky

(4) are increasingly risky

(5) No correction required

Directions (196-200) : Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank which best fits the meaning of the sentence as a whole.

196. What goes into making a marriage can only be _____ by trial and error and couples are best left to _____ out what works.

(1) discovered, translate

(2) regulated, find

(3) learnt, figure

(4) seen, thrash

(5) experienced, judge

197. The producer is known to _____ with new stars and fresh talent, and though there have been a few hits and misses, this filmmaker totally _____ for the new breed.

(1) try, demands

(2) experiment, vouches

(3) sign, goes

(4) produce, promises

(5) work, supports

198. The Government stated that it had the _____ right to use as much force as was necessary to regain control of areas _____ by terrorists.

- (1) free, marked
- (2) practical, left
- (3) fundamental, infest
- (4) basic, undertaken
- (5) legitimate, dominated

199. Obesity and alcohol _____ together to _____ the risk of liver disease in both men and women.

- (1) act, increase
- (2) result, aggravate
- (3) taken, arrest
- (4) put, heighten
- (5) mix, lower

200. There were screams, chills and thrills _____ at the discotheque the other night as the director along with the producers hosted a party to _____ the success of their latest horror flick.

- (1) combined, downplay
- (2) alike, mourn
- (3) experiences, mark
- (4) galore, celebrate
- (5) risen, generate

Directions (201-205) : Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) However, many people may not be aware of the numerous other areas where it has been applied.
- (B) Today, even, those who have little knowledge about the production of virtual reality are now most likely aware of its use in video games.
- (C) Similarly, medical students have substituted a cadaver for a fiberglass mould of a body and a headset when training to perform surgery.
- (D) Virtual reality was an unfamiliar concept to many people till the early 90's.
- (E) Introducing virtual reality to the real world, thus, has already proven to be beneficial for every industry it encounters.

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91 For example, astronaut trainees have recently used virtual reality to simulate a trip to space.

201. Which of the following should be the **FOURTH** sentence after rearrangement ?

- (1) E (2) F
- (3) A (4) D
- (5) B

202. Which of the following should be the **FIRST** sentence after rearrangement ?

- (1) A (2) B
- (3) C (4) D
- (5) E

203. Which of the following should be the **LAST (SIXTH)** sentence after rearrangement ?

- (1) A (2) B
- (3) C (4) D
- (5) E

204. Which of the following should be the **SECOND** sentence after rearrangement ?

- (1) B (2) C
- (3) D (4) E
- (5) F

205. Which of the following should be the **FIFTH** sentence after rearrangement ?

- (1) A (2) B
- (3) C (4) D
- (5) E

Directions (206-215) : Read each sentence to find out whether there is any grammatical error in it. The error if any will be in one part of the sentence, the number of that part will be the answer. If there is no error, the answer is (5). i.e. 'No error'. (Ignore the errors of punctuation, if any.)

206. Human babies whose mothers (1)/ have had the flu while pregnant may (2)/ have a greater risk of developing (3)/ schizophrenia lately in life. (4)/ No error {u}

207. Six women achieveis, who continue (1)/ to inspire the younger lot, were honoured (2)/ with their contributions in their chouen fields (3) / on the occasion of women's day. (4)/ No error (5)

208. All Indians know that they are (1)/ superior in all respects not only to (2)/ those unfortunately beings called foreigners, but (3)/ also that they are superior to all other Indians. (4)/ No error (5)

209. While the handsome actor was busy (1)/ belting out one-liners, his (2)/ graceful co-star was a (3)/ i_. mplele imagery of woman power. (4)/ No e.rcr (5)

210. He is one of the first film producers (1)/ to actually take the much needed step (2)/ against stars putting up information about (3)/ under-production films on social networking websites. (4)/ No error (5)

211. It was an evening of (1)/ fun and frolic as the city's glitterati (2) and high-profile businessmen made sure (3)/ that they didn't miss the show. (4)/ No error (5)

212. Results founding that boys not only (1) / play more than girls, but (2)/ they start earlier, an outcome that (3)/ could be clearly related to a cultural influence. (4)/ No error (5)

213. Videogames may not (1)/ necessarily adversely affect (2)/ the academic results in children (3)/ contrary to most parents's perception. (4)/ No error (5)

214. Celebrities showed their childlike side (1)/ yesterday, as most of them turn up wearing (2)/ cartoon T-shirts for the screening of (3)/ the latest animated film in town. (4)/ No error (5)

215. The study focusing exclusively to (1)/ critically ill children found that children with chronic illnesses, (2)/ especially respiratory illnesses, are most likely, (3)/ to develop influenza that requires critical care. (4)/ No error (5)

Directions (216-225) : In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blanks appropriately. Find out the appropriate word in each case.

Prior to independence the health-care sector in India was in a (216) with a large number of deaths and rampant spread of infectious diseases. After independence the Government of India laid (217) on primary healthcare and India has put in sustained efforts to better the healthcare system (218) the country, The government initiative was not enough to meet the demands of a growing population be it in primary, secondary or tertiary healthcare. Alternate sources of finance were critical for the sustainability of the health sector.

Till about 20 years ago, private sector ventures in the healthcare see-

tor **(219)** of only solo practitioners, small hospitals and nursing homes. The quality of service provided was excellent especially in the hospitals run by charitable trusts and religious foundations. In **1980**'s realizing that the government on its own would not be able to **{220}** for health care, the government allowed the entry of private sector to reduce the **(221)** between supply and demand for healthcare. The establishment of the private sector has resulted in the **(222)** of opportunities in terms of medical equipment, information technology in health services. BPO, telemedicine and medical tourism.

Large companies and **(223)** individuals have now started five star hospitals which dominate the space for the high end market. The private sector has made **(224)** progress, but on the flip side it is also responsible for increasing **(225)** in the healthcare sector. The private sector should be more socially relevant and effort must be made to make private sector accessible to the weaker sections of society.

216. (1) shambles (2) failure
(3) demand (4) prosperity
(5) ruined

217. (1) bricks **(2)** emphasize
(3) request (4) stress
(5) important

218. (1) through **(2)** across
(3) sharing (4) with "
(5) on

219. (1) made **(2)** comprise
(3) consisted (4) is
(5) contained

220. (1) cater (2) provide
(3) manage (4) survive
(5) give

221. (1) gap **(2)** position
(3) distance (4) length
(5) thought

222. (1) reduction **(2)** sea
(3) cropping (4) disabling
(5) emergence

223. (1) needy (2) destitute
(3) bigger (4) affluent
(5) much

224. (1) slowly (2) improve
(3) many (4) improvised
(5) tremendous

225. (1) speed (2) pace
(3) inequality (4) uniformity
(5) seriousness