REASONING

1. Four of the following five are alike in a certain way and hence from a group. Which of the following **does not** belong to that group ?
(1) Walk   (2) Cry
(3) Play   (4) Study
(5) Alive

2. How many such pairs of letters are there in the word 'VIRTUAL', each of which has as many letters betwen them in the word (in both forward and backward direction) as they have between them in the English alphabetical series ?
(1) None   (2) One
(3) Two   (4) Three
(5) More than three

3. How many meaningful English words can be formed with the letters 'ILP' using all the letters only once in each word ?
(1) None   (2) One
(3) Two   (4) Three
(5) More than three

4. If each alternate letter in the word 'FLIPPER' starting with F is changed to the next letter in the English alphabetical series and each of the remaining letters is changed to the previous letters in the English alphabetical series, then how many letters will appear more than once in the new arrangement ?
(1) None   (2) One
(3) Two   (4) Three
(5) Four

5. Pointing to a girl, Mr. Arun said, "She is the daughter of my mother's only child". How is the girl related to Mr. Arun ?
(1) Sister   (2) Mother
(3) Cousin   (4) Daughter
(5) Cannot be determined

6. In a certain code language, 'LISP' is coded as 'MJTQ', similarly 'PLAN' is coded as 'QMBO'. How will 'FORT' be coded in the same code language ?
(1) ENSQ   (2) GPUS
(3) ENQS   (4) GPSU
(5) None of these

7. 'Artificial' is related to 'Natural' in the same way as 'Private' is related to '_____'.
(1) Future   (2) Personal
(3) Public   (4) Closed
(5) Confidential

8. Four of the following five are alike on the basis of being divisible by a particular number and hence form a group. Which of the following **does not** belong to that group ?
(1) 21   (2) 91
(3) 65   (4) 77
(5) 35

9. In a class of 25 students, Lata's rank is 13th from the top and Parul's rank is 19th from the bottom. If Vishal's rank is exactly between Lata's and Parul's rank what is Vishal's rank from the top ?
(1) 10th   (2) 8th
(3) 9th   (4) 7th
(5) Cannot be determined

10. What should come next in the number series given below ?
1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 1 2 3 4 5 6 1 2 3 4 5 6
(1) 5   (2) 2
(3) 8   (4) 1
(5) None of these

Directions (11– 15) : Study the following information to answer the given questions :

Eight friends A, B, C, D, E, F, G and H are sitting around a circle facing the centre, not necessarily in the same order. F sits fourth to the left of B. A and H are immediate neighbours of F. C sits third to the left of A. G sits third to the right of E.

11. What is D's position with respect to B ?
(1) Immediate left
(2) Sixth to the right
(3) Second to the left
(4) Seventh to the left
(5) Fifth to the right

12. What are the immediate neighbours of G ?
(1) F and H   (2) A and F
(3) C and H   (4) A and B
(5) B and C

13. If C is related to E in a certain way and similarly F is related B in the same way, to whom is A related to ?
(1) H   (2) D
(3) G   (4) C
(5) None of these

14. Four of the following five are alike in a certain way based on their seating positions in the above arrangement and so form a group. Which is the one that **does not** belong to the group ?
(1) FE   (2) HA
(3) DG   (4) BE
(5) CF

15. If all the eight friends are made to sit alphabetically in the clockwise direction starting from A, positions of how many will remain unchanged (excluding A) ?
(1) None   (2) One
(3) Two   (4) Three
(5) Four

Directions (16 – 20) : In each question below are two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Give answer (1) if **only** conclusion I follows.

Give answer (2) if **only** conclusion II follows.

Give answer (3) if **either** conclusion I or conclusion II follows.

Give answer (4) if **neither** conclusion I nor conclusion II follows.

Give answer (5) if **both** conclusions I and II follow.

16. **Statements :**
    Some windows are grills.
    All glasses are grills.
    Conclusions :
    I. All grills are windows.
    II. At least some grills are glasses.

17. **Statements :**
    Some painters are artists.
    Some dancers are painters.
    Conclusions :
    I. All artists are dancers.
    II. All painters are dancers.

18. **Statements :**
    All cabins are rooms.
    All rooms are buildings.
    Conclusions :
    I. All buildings are rooms.
    II. All cabins are buildings.

19. **Statements :**
    All rings are necklaces.
    No necklace is a bracelet.
    Conclusions :
    I. No ring is a bracelet.
    II. All necklaces are rings.

20. **Statements :**
    All hands are arms.
    Some hands are muscles.
    Conclusions :
    I. Some muscles are arms.
    II. All muscles are arms.

Directions (21–25) : Study the following information to answer the given questions :

Seven friends – L, M, N, O, P, Q and R are sitting in a straight line facing North, not necessarily in the same order. M sits fifth to the right of O. P sits third to the right of L. Both L and P do not sit at the extreme ends of the line. Q and R are immediate neighbours of each other. N sits third to the left of Q.

21. What is O's position with respect of R ?
    (1) Second to the right
    (2) Third to the left
    (3) Second to the left
    (4) Third to the right
    (5) None of these

22. Which of the following represents the friends sitting at the extreme ends of the line ?
    (1) O, M   (2) Q, O
    (3) N, M   (4) O, N
    (5) None of these

23. If all the seven friends are made to sit in alphabetical order from **left to right**, the positions of how many will remain unchanged ?
    (1) Four
    (2) Three
    (3) One
    (4) Two
    (5) None

24. Who sits exactly in the middle of the row ?
    (1) P   (2) L
    (3) Q   (4) R
    (5) None of these

25. Four of the following five are alike in a certain way based on their seating positions in the above arrangement and so form a group. Which is the one that **does not** belong to the group ?
    (1) MP   (2) RQ
    (3) ON   (4) LN
    (5) QL

Directions (26 – 28) : In each question below is given a group of numbers/symbols followed by five combinations of letter codes numbered (1), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of numbers/symbols based on the following coding system and the conditions and mark the number of that combination as your answer.

Number / Symbols	9	4	&	5	%	3	#	7	6	@	8	+	2	$
Letter Codes	X	P	J	H	B	D	K	F	S	T	N	G	R	L

Conditions :

(i) If the first element is a symbol and the last element is a number, then the codes for both are to be interchanged.

(ii) If both the first and last elements are symbols, then the last element is to be coded as the code for the first element.

(iii) If the group of elements contains only one symbol, then that symbols is to be coded as A.

26. 28%956
    (1) RNBXHS
    (2) RNAXSH
    (3) RNBXSH
    (4) RNAXHS
    (5) RNASHX

27. @62+74
    (1) PSRGFT
    (2) TSRFGP
    (3) PSRFGT
    (4) PRSGFT
    (5) TSRGFP

28. +5963%
    (1) GHXSDG
    (2) GSHXDB
    (3) GHXDSG
    (4) GHSXDB
    (5) GXHSDG

Directions (29 – 31) : Study the following information carefully and answer the questions given below :

Poverty measurement is an unsettled issue, both conceptually and methodologically. Since poverty is a process as well as an outcome; many come out of it while others may be falling into it. The net effect of these two parallel processes is a proportion commonly identified as the 'head count ratio', but these ratios hide the fundamental dynamism that characterises poverty in practice. The most recent poverty reestimates by an expert group has also missed the crucial dynamism. In a study conducted on 13,000 households which represented the entire country in 1993-94 and again on 2004-05, it was found that in the ten-year period 18.2% rural population moved out of poverty whereas another 22.1% fell into it over this period. This net increase of about four percentage points was seen to have a considerable variation across states and regions.

29. Which of the following is a **conclusion** which can be drawn from the facts stated in the above paragraph ?

(1) Accurate estimates of number of people living below poverty line in India is possible to be made.

(2) Many expert groups in India are not interested to measure poverty objectively.

(3) Process of poverty measurement needs to take into account various factors to tackle its dynamic nature.

(4) People living below poverty line remain in that position for a very long time.

(5) None of these

30. Which of the following is an **assumption** which is **implicit** in the facts stated in the above paragraph ?

(1) It may not be possible to have an accurate poverty measurement in India.

(2) Level of poverty in India is static over the years.

(3) Researchers avoid making conclusions on poverty measurement data in India.

(4) Government of India has a mechanism to measure level of poverty effectively and accurately.

(5) None of these

31. Which of the following is an **inference** which can be made from the facts stated in the above paragraph ?

(1) Poverty measurement tools in India are outdated.

(2) Increase in number of persons falling into poverty varies considerably across the country over a period of time.

(3) Government of India has stopped measuring poverty related studies.

(4) People living in rural areas are more susceptible to fall into poverty over the time.

(5) None of these

Directions (32 – 35) : In these questions, relationships between different elements is shown in the statements. These statements are followed by two conclusions.

Give answer (1) if **only** conclusion I follows.

Give answer (2) if **only** conclusion II follows.

Give answer (3) if **either** conclusion I or conclusion II follows.

Give answer (4) if **neither** conclusion I nor conclusion II follows.

Give answer (5) if **both** conclusions I and II follow.

32. Statement :

$A < L < T < R \leq H > K$

Conclusions : I. $H > L$

II. $K > T$

33. Statement :

$P = N > D \geq G < B = J$

Conclusions : I. $G < P$

II. $G < J$

34. Statement :

$F \leq C \geq V = Z < X = U$

Conclusions : I. $V < U$

II. $Z < F$

35. Statement :

$Q \leq E = I > N \geq R \geq S$

Conclusions : I. $E = S$

II. $S \leq N$

Directions (36 – 40) : Study the following arrangement of consonants, vowels, numbers and symbols carefully and answer the questions given below :

H @ F ! 3 U 6 % G I T ★ P L 8 $ ^
9 S 2 7 & A M K + J © D 4 # 5 & E

36. Which of the following is ninth to the right of the twentieth from the right end of the above arrangement ?

(1) K   (2) M

(3) U   (4) A

(5) None of these

37. How many such consonants are there in the above arrangement, each of which is immediately preceded by a symbol and also immediately followed by a symbol ?

(1) None   (2) One

(3) Two   (4) Three

(5) More than three

38. If all the symbols are dropped from the arrangement, which of the following will be the twelfth from the left end ?

(1) 9   (2) 2

(3) S   (4) 7

(5) None of these

39. 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 the group?

(1) L$8   (2) AKM

(3) @!F   (4) 6%G

(5) JD©

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

F3U   %IT   L$^   ?

(1) 927   (2) 7&A

(3) 7AM   (4) 2&A

(5) 27&

ENGLISH LANGUAGE

Directions (41 –45) : In each of the following sentences, an **idiomatic expression** or a **proverb is highlighted**. Select the alternative which best describes its use in the sentence.

41. The stunt that I recently attempted was a **piece of cake.**
(1) The stunt that I recently attempted was enjoyable to watch
(2) The stunt that I recently attempted was very challenging
(3) The stunt that I recently attempted was celebrated by all
(4) The stunt that I recently attempted turned out to be a failure
(5) The stunt that I recently attempted was a simple task

42. The boy broke the window and **took to his heels**.
(1) The boy broke the window and fell on his heels
(2) The boy broke the window and ran away
(3) The boy broke the window with his heels
(4) The boy ran into the window
(5) The boy broke the window and robbed a pair of heels

43. **I pledged myself** to serve the king faithfully.
(1) I made a mistake by promising to serve the king faithfully
(2) I made a fool of myself in order to serve the king
(3) I boasted about serving the king faithfully
(4) I was forcibly made to serve the king
(5) I made a solemn and formal promise to serve the king faithfully

44. There is a **crying need** for improvements to our public transport system.
(1) There is an obvious need for improvements to our public transport system
(2) There is a well documented need for improvements to our public transport system.
(3) There is a minor need for improvements to our public transport system.
(4) There is a serious need for improvements to our public transport system.
(5) There is no urgency for improvements to our public transport system.

45. In an old bookshop I happened to **light upon** a volume that belonged to my grandfather.
(1) In an old bookshop I happened to discard a volume that belonged to my grandfather.
(2) In an old bookshop I happened to purchase a volume that belonged to my grandfather.
(3) In an old bookshop I happened to look for a volume that belonged to my grandfather.
(4) In an old bookshop I happened to discover by chance a volume that belonged to my grandfather
(5) In an old bookshop I happened to reveal a volume that belonged to my grandfather.

Directions (46 –50) : Pick out the most effective word/phrases from the given alternatives marked (1), (2), (3), (4) and (5) given below each sentence to fill in the blank to make the sentence meaningful and grammatically correct.

46. By the middle of the 19th Century, the urban population of England _____ the rural population.
(1) have exceed
(2) exceeded
(3) was to exceeds
(4) exceeds
(5) will exceed

47. The house that the actress lives in is beautiful, but the surroundings are _____ unpleasant.
(1) quite
(2) more and more
(3) a little quite
(4) very little   (5) quite few

48. My friend and I decided to watch a play, however _____ enjoyed it.
(1) hardly of us
(2) some few of us
(3) we scarcely only
(4) neither of us
(5) no one of us

49. It is difficult to speak a language fluently unless _____ regularly.
(1) it is in practice
(2) it is by practising
(3) it will be practised
(4) it is practised
(5) it had been practised.

50. By the time he was eighteen years old, Peter _____ to make a living and support his family.
(1) begins   (2) began
(3) started beginning
(4) would begin
(5) has just begun

Directions (51–65) : Read the following passage carefully and answer the questions given below it. Certain words are printed in bold to help you to locate them while answering some of the questions.

Lumbini is a beautiful place in the southern part of Nepal. About 2,500 years ago, a baby boy was born to the king and queen. The baby was named Siddharth. His mother, died when he was five days old. The baby boy grew into a **handsome** prince. His father tried to keep him happy. The little prince had everything he needed — fine clothes, the best food and good toys. But he was not interested in them. He wanted to be alone and was always found in deep thought. Later, he was married to a beautiful princess. She was called Yashodhara. They had a son and named him Rahul. The king hoped that Siddharth would become a great ruler.

One day Siddharth was driving through the street in his chariot. He saw an old man and then a sick man. The oldman could **hardly** walk. The sick man groaned in pain. Then he saw some people carrying a dead body, others were wailing and weeping at the loss of a dear one. Siddharth was very upset to see so much suffering and unhappiness. He was shocked, Then he saw an entirely different sight. A man in yellow robes was walking along the street. There was no trace of sadness on his **radiant** face, instead it shone with peace. He was a monk who had given up the world to escape the misery of life.

Siddharth wanted to find out why there was so much suffering in the world. He wanted to find out how men could be free of misery. He could find neither peace nor happiness in the life he was leading at the palace. One night Siddharth left his home, his wife and his little son. He went into the forest. He wanted to search for a way out of suffering and sorrow for all mankind. He meditated and got enlightenment. He became Lord Buddha, the enlightened one. Truth was **revealed to** him and he learnt all the secrets of life and the world.

He found out that the world was full of sorrow and unhappiness. The reason for it was greed and selfishness. To be free from suffering, we must be free from greed and desire. Desire is the **root** cause of all human suffering. He advocated the Middle Path and asked his followers to avoid the two extremes.

51. Which of the following sentences is **true** according to the passage ?
(1) Lord Buddha was born in Lumbini.
(2) The little boy was very happy with fine clothes, good food and toys.
(3) Siddharth divorced his first wife.
(4) Siddharth and Yashodhara had no children and so they were very u......
(5) None of th....

52. What was Siddharth interested in as a child ?
(1) He was interested in making new friends as he did not have any siblings.
(2) His interests were largely in studying and reading books.
(3) He was interested in the best of clothes and good toys .
(4) In spending time alone in deep thought.
(5) In spending time with nature.

53. Which of the following can be inferred about Siddharth ?
(A) Siddharth was different from other princes his age.
(B) Siddharth was a spoilt child.
(C) Siddharth was lonely because he did not have a mother.
(1) Only (A)
(2) Only (B)
(3) Only (C)
(4) Only (B) and (C)
(5) All (A), (B) and (C)

54. What did the King wish for his son, Siddharth ?
(1) He wanted Siddharth to become a great ruler.
(2) He wished that Siddharth would not marry Yashodhara.
(3) He wished that Siddharth's son would take over his kingdom
(4) He wished that Siddharth would behave like the other princes.
(5) He wished that Siddharth would find the answer to all the suffering in the world.

55. What incident changed Siddharth's life forever ?
(1) His mother's death.
(2) The incident where he saw a monk free from the misery of life.
(3) The birth of his son
(4) His marriage to Yashodhara.
(5) The time he met Lord Buddha.

56. Why did Siddharth leave his home ?
(1) He wanted to run away from his wife and son
(2) He did not want to become heir to his father's throne
(3) He was in search of a bigger kingdom
(4) He wanted to see the world
(5) He wanted to search for a way out of suffering and spend time in meditation.

57. According to Siddharth what was the reason for suffering and unhappiness in the world?
(1) The increased mumber of deaths
(2) The advocacy of the Middle Path.
(3) Human greed and selfishness
(4) People were unaware of the benefits of meditation.
(5) None of these

58. What according to passage is the root cause for all human suffering ?
(A) Desire
(B) Happiness
(C) Meditation
(1) Only (A)
(2) Only (B) and (C)
(3) Only (B)
(4) Only (C)
(5) All (A), (B) and (C)

59. Why was Siddharth called the enlightened one ?
(1) He was smarter than all the princes of of his age.
(2) He was the King's son.
(3) Truth was revealed to him through meditation.
(4) He had a great ability to resist temptation
(5) He always wanted to be left alone

60. Why did Lord Buddha advocate the Middle Path ?
(1) He believed that it was the only way to eliminate poverty.
(2) He believed that it was the only way of obtaining true happiness.

(3) He was a staunch believer of living an extreme life.

(4) He did not have a happy life being a prince.

(5) He was not a risk-taker.

Directions (61 –63) : Choose the word which is most nearly the **SAME** in meaning as the word printed in **bold** as used in the passage.

61. Root

(1) Secondary

(2) Common

(3) Burning

(4) True

(5) Main

62. Hardly

(1) Easily

(2) Barely

(3) Suddenly

(4) Carefully

(5) Readily

63. Radiant

(1) Full   (2) Happy

(3) Burning   (4) Sober

(5) Sickly

Directions (64 – 65) : Choose the word which is most **OPPOSITE** in meaning to the word printed in **bold** as used in the passage.

64. Revealed to

(1) Hidden from

(2) Exposed to

(3) Presented to

(4) Manifested from

(5) Obtained from

65. Handsome

(1) Dear   (2) Ugly

(3) Precious   (4) Spoilt

(5) Attractive

Directions (66 –70) : 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 is the answer. If there is no error, the answer is (5) i.e. 'No Error', (Ignore the errors of punctuation, if any).

66. If tomorrow is (1)/ declared a holiday, (2)/ we shall go (3)/ to a picnic. (4)/ No Error (5)

67. My grandfather used (1)/ to go (2)/ for a walk (3)/ every morning. (4)/ No Error (5)

68. The blast from (1)/ the explosion (2)/ knocked the factory worker (3)/ to unconsciousness. (4)/ No Error (5)

69. Raju found it difficult (1)/ to explain (2)/ his final exam marks (3)/ to his parents. (4)/ No Error (5)

70. My friend become (1)/ terribly upset (2)/ after losing her purse (3)/ at the supermarket. (4)/ No Error (5)

Directions (71 – 80) : 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 blank appropriately. Find out the appropriate word in each case.

Once upon a time there lived a wise man by the **(71)** of Mamad. He never lied. All the people in the land, knew about him. The king heard about Mamad and **(72)** his subjects to bring him to the palace. He looked at the wise man and asked: "Mamad, is it true, that you have never lied ?" "It is true, your Majesty." "And you will never lie in your life?" questioned the king. "I am sure of that," replied Mamad.

(73) days passed and the king called Mamad once again. There was a big crowd, the king was **(74)** to go hunting. The king held his horse by the mane, his left foot was already on the stirrup. He. **(75)** to Mamad, "Go to my summer palace and tell the queen I will be with her for lunch. Tell her to **(76)** a big feast. You will have lunch with me then." Mamad bowed down and went to the queen. Then the king laughed and said, "We won't go hunting and now Mamad will lie to the queen. Tomorrow we will laugh on his behalf. "But the wise Mamad went to the palace and said, "maybe you should prepare a big feast for lunch tomorrow, and maybe you shouldn't. Maybe the king will come by noon, and maybe he won't."

"**(77)** me will he come, or will he not ?" – asked the queen. "I do not know whether he put his right foot on the stirrup, or he put his left foot on the ground after I left". Everybody **(78)** for the king. He came the next day and said to the queen, "The wise Mamad, who never lies, **(79)** to you yesterday." But the queen told him Mamad's exact words. And the king **(80)**, that the wise man never lies. and says only that, which he see's with his own eyes.

71. (1) name   (2) sound

(3) call   (4) identity

(5) label

72. (1) demanded

(2) send

(3) ordered

(4) request

(5) sanctioned

73. (1) Several   (2) Most

(3) Lots   (4) Glorious

(5) Long

74. (1) just

(2) tired

(3) schedule

(4) planned

(5) about

75. (1) wished   (2) order

(3) said   (4) featured

(5) send

76. (1) leave   (2) prepare

(3) figure   (4) show

(5) prove

77. (1) Say   (2) Rescue

(3) Reveal   (4) Tell

(5) Understand

78. (1) lied   (2) left

(3) heard   (4) ran

(5) waited

79. (1) wrong   (2) spoke

(3) lied   (4) did

(5) deceive

80. (1) felt

(2) understands

(3) realised

(4) convinced

(5) rejoiced

NUMERICAL ABILITY

Directions (81-90) : What will come in place of the question mark (?) in the following questions?

81. $(3325 \div 25) \times (152 \div 16) = ?$
(1) 1269.4   (2) 1264.9
(3) 1265.3   (4) 1263.5
(5) None of these

82. $\sqrt{3136} - \sqrt{1764} = \sqrt{?}$
(1) 14   (2) $(196)^2$
(3) −14   (4) 144
(5) None of these

83. $5\frac{1}{5} + 2\frac{2}{15} + 3\frac{2}{3} = ?$
(1) 15   (2) 13
(3) $\frac{11}{15}$ (4) 12
(5) None of these

84. $-15 - 27 - 88 - 63 + 255 = ?$
(1) 55   (2) 74
(3) 62   (4) 59
(5) None of these

85. $(2525 \times 0.25 \div 5) \times 7 = ?$
(1) 889.43   (2) 883.75
(3) 886.45   (4) 881.75
(5) None of these

86. $\frac{14}{19} \times \frac{57}{70} \times \frac{20}{21} = ?$
(1) $\frac{2}{7}$ (2) $\frac{4}{7}$
(3) $\frac{2}{9}$ (4) $\frac{3}{7}$
(5) None of these

87. 32% of 500 + 162% of 50 = ?
(1) 231   (2) 245
(3) 237   (4) 247
(5) None of these

88. $45316 + 52131 - 65229 = ? + 15151$
(1) 17063   (2) 17073
(3) 17076   (4) 17067
(5) None of these

89. $\sqrt{25 - 12 + 155 + 1} = ?$
(1) 13   (2) 14
(3) 17   (4) 16
(5) None of these

90. $\frac{184 \times 4}{23 \text{ of } 400} = ?$
(1) 7   (2) 9
(3) 8   (4) 5
(5) None of these

91. What will come in place of both the question marks (?) in the following question ?
$$\frac{(?)^{\frac{4}{3}}}{32} = \frac{128}{(?)^{\frac{5}{3}}}$$
(1) 16   (2) 12
(3) 18   (4) 14
(5) None of these

92. The speed of a man is $\frac{3}{4}$ th the speed of a bicycle. The bicycle covers 192 m. in 8 seconds. How much time will the man take to cover 54 m. ?
(1) 3 seconds   (2) 4 seconds
(3) 7 seconds   (4) 5 seconds
(5) None of these

93. If the following fractions are arranged in a descending order (from left to right), which of them will be second from the right end ?
$$\frac{4}{9}, \frac{6}{13}, \frac{5}{11}, \frac{13}{16}, \frac{7}{12}$$
(1) $\frac{6}{13}$ (2) $\frac{4}{9}$
(3) $\frac{13}{16}$ (4) $\frac{7}{12}$
(5) $\frac{5}{11}$

94. A factory produces 1515 items in 3 days. How many items will they produce in a week ?
(1) 3530   (2) 3553
(3) 3533   (4) 3535
(5) None of these

95. What is the **least** number that can be added to 4800 to make it a perfect square ?
(1) 110   (2) 81
(3) 25   (4) 36
(5) None of these

96. Which of the following words can be written in 120 different ways ?
(1) STABLE   (2) STILL
(3) WATER   (4) NOD
(5) DARE

97. What would be the compound interest obtained on an amount of ₹ 1,210 at the rate of 6. p.c.p.a. after a year ?
(1) ₹ 70.5   (2) ₹ 74.6
(3) ₹ 73.8   (4) ₹ 72.6
(5) None of these

98. The cost of 5 pens and 8 pencils is ₹31. What would be the cost of 15 pens and 24 pencils ?
(1) ₹93   (2) ₹99
(3) ₹96
(4) Cannot be determined
(5) None of these

99. Find the average of the following set of scores :
432, 623, 209, 378, 908, 168
(1) 456   (2) 455
(3) 453   (4) 458
(5) None of these

100. If the numerator of a fraction is increased by 300% and the denominator is increased by 200%, the resultant fraction is $\frac{4}{15}$. What is the original fraction ?
(1) $\frac{3}{5}$ (2) $\frac{4}{5}$
(3) $\frac{2}{5}$ (4) $\frac{1}{5}$
(5) None of these

101. Joel purchased 40 notebooks at the rate of ₹18 per notebook and 55 pencils at the rate of ₹8 per pencil. What is the total amount that he paid to the shopkeeper ?
(1) ₹1,165   (2) ₹1,160
(3) ₹1,166   (4) ₹1,161
(5) None of these

102. The sum of five consecutive odd numbers is 265. What is the sum of the largest number and twice the smallest number?
(1) 156   (2) 153
(3) 155   (4) 151
(5) None of these

103. The average of five numbers is 34.4. The average of the first and the second number is 46.5. The average of the fourth and the fifth number is 18. What is the third number ?

(1) 45   (2) 46
(3) 42   (4) 49
(5) None of these

104. One of the angles of a parallelogram is 45°. What will be the sum of the larger angle and twice the smaller angle of the parallelogram ?
(1) 228°   (2) 224°
(3) 225°   (4) 222°
(5) None of these

105. 9 women can complete a piece of work in 19 days. How many days will 18 women take to complete the same piece of work ?
(1) 12 days   (2) 6.5 days
(3) 9 days   (4) 8.5 days
(5) None of these

106. If $(11)^3$ is subtracted from $(46)^2$, what will be the remainder ?
(1) 787   (2) 785
(3) 781   (4) 783
(5) None of these

107. The ratio between Gloria's and Sara's present ages is 4 : 7 respectively. Two years ago the ratio between their ages was 1 : 2 respectively. What will be Sara's age three years hence ?
(1) 17 years   (2) 14 years
(3) 11 years   (4) 8 years
(5) None of these

Directions (108–110) : What should come in place of the question mark (?) in the following number series ?

108. 800   400   200   100   50   ?
(1) 20   (2) 30
(3) 25   (4) 35
(5) None of these

109. 2   13   35   68   112   ?
(1) 173   (2) 178
(3) 163   (4) 167
(5) None of these

110. 650   601   565   540   524   ?
(1) 512   (2) 514
(3) 511   (4) 515
(5) None of these

111. A plot of 1800 sq. ft. is available at the rate of ₹ 630 per sq. ft. If 45% of the total cost of the plot is to be paid at the time of booking it, how much is the booking amount?
(1) ₹11,34,0007
(2) ₹5,10,3007
(3) ₹6,03,0007
(4) ₹6,00,300
(5) None of these

112. 'A', 'B' and 'C' are three consecutive even integers such that four times 'A' is equal to three times 'C'. What is the value of B'?
(1) 12   (2) 10
(3) 16   (4) 14
(5) None of these

113. A bus covers 572 kms in 13 hours. What is the speed of the bus ?
(1) 40km/hr   (2) 44 km/hr
(3) 43 km/hr   (4) 47 km/hr
(5) None of these

114. The sum of the squares of two odd numbers is 11570. The square of the smaller number is 5329. What is the other number?
(1) 73   (2) 75
(3) 78   (4) 79
(5) None of these

115. What is the difference between the simple and compound interest earned from a sum of ₹13,033 at a rate of 13 percent per annum for a period of 3 years (rounded off to 2 digits after decimal) ?
(1) ₹5,082.87
(2) ₹689.41
(3) ₹5,772.28
(4) ₹680.94
(5) None of these

116. What will be the average of the following set of scores ?
78,69,54,21,94,48,77
(1) 63   (2) 66
(3) 67   (4) 64
(5) None of these

117. The sum of three consecutive integers is 5685. Which of the following is the correct set of these numbers ?
(1) 1893,1894,1895
(2) 1895,1896,1897
(3) 1899,1900,1901
(4) 1897,1898,1899
(5) None of these

118. The product of three consecutive odd numbers is 24273. Which is the smallest number?
(1) 25   (2) 29
(3) 23   (4) 37
(5) 27

119. ₹ 58,750 amounts to ₹ 79,900 in four years at simple interest. What is the rate of interest paid?
(1) 14   (2) 13
(3) 12   (4) 16
(5) 9

120. How much will a sum of ₹12,0007 deposited at a rate of 9% per annum (simple interest) for 13 years amount to ?
(1) ₹14,040   (2) ₹20,650
(3) ₹13,404   (4) ₹27,800
(5) ₹26,040

GENERAL AWARENESS

121. The Head of the Reserve Bank of India is officially known as
(1) President of RBI
(2) Chief Executive of RBI
(3) Managing Director (MD) of RBI
(4) Executive Director of RBI
(5) Governor of RBI

122. An engineer working in a big city in India wishes to send some money to his/her parents in a small village. How can a bank help him/her ? (Both of them have accounts in the branches of the same bank.)
A. By issuing a Demand Draft.
B. By opening a letter of credit in the name of his/her parents.
C. Through E-transfer of money
(1) Only A
(2) Only B
(3) Only C
(4) Both A and B
(5) Both A and C

123. Which of the following is the Central Bank of our country ?
(1) State Bank of India
(2) Central Bank of India

(3) National Bank for Agriculture and Rural Development

(4) Reserve Bank of India

(5) None of these

124. People normally go to a bank for withdrawal or/and depositing their money. In addition to that banks provide many other services these days. Which of the following is/are such new services ?

A. Sale of insurance policies.

B. Loans for higher studies for children.

C. Acceptance of bills for Telephone/Electric supply services on behalf of such organizations.

(1) Only A   (2) Only B

(3) Only C

(4) Both A and B

(5) All A, B and C

125. Who amongst the following is the Head of the RBI at present ?

(1) Mr. K. V. Kamath

(2) Dr. Yaga Venugopal Reddy

(3) Mr. N. R. Narayanamurthy

(4) Mr. O. P. Bhatt

(5) D Subba Rao

126. India has different categories of Commercial banks. Which of the following is not one such category ?

(1) Private Banks

(2) Commodity Banks

(3) Nationalised Banks

(4) Co-operative Banks

(5) Foreign Banks

127. Government of India these days is very keen about the credit to the rural people. Which the following is the product launched by the banks to provide loan/credit to the farmers **quickly** ?

(1) Kisan Vikas Patra

(2) Indira Vikas Patra

(3) Kisan Credit Card

(4) National Savings Scheme

(5) All of these

128. Coins of which of the following denominations are easily available in India and are used by all of us in our day-to-day shopping ?

A. Rs. 5   B. Rs. 2

C. Rs. 50

(1) Only A   (2) Only B

(3) Only C

(4) Both A and B

(5) All A, B and C

129. Government of India gives subsidy to which of the following products to help farmers indirectly ?

(1) Tractors

(2) Power Tillers

(3) Pesticides

(4) Chemical fertilizers

(5) None of these

130. In India Union Budget is always presented in the Parliament in the month of _____.

(1) February   (2) March

(3) April   (4) December

(5) January

131. 'Rupee' is the currency of

(1) Nepal   (2) Indonesia

(3) Myanmar

(4) Bangladesh

(5) Libya

132. India's Nuclear Agreement with which of the following countries is very much in news these days ?

(1) Russia   (2) Germany

(3) Pakistan   (4) Iran

(5) USA

133. The two main seasons of cropping in India are known as ___.

(1) Hot - Cold

(2) Winter - Spring

(3) Summer - Winter

(4) Rainy - Cold

(5) Kharif - Rabi

134. Who among the following was honoured with the US Presidential Medal of Freebom in May 2012?

(1) William Foege

(2) Toni Morrison

(3) Bob Dylan

(4) Only (1) and (2)

(5) All (1), (2) and (3)

135. Government of India is giving much emphasis on 'Women Empowerment' these days. What does it mean ?

(1) Recruiting only women for various Government jobs

(2) Electing women only for Panchayat Raj institutions

(3) Ensure that women get equal pay for equal work

(4) Providing opportunities to women so that they can develop themselves

(5) None of these

136. Who amongst the following is/ was not a famous cricket player ?

(1) M. S. Dhoni

(2) Kapil Dev

(3) Ramesh Krishnan

(4) Sunil Gavaskar

(5) Sachin Tendulkar

137. The maximum crop area (about 75%) in India is covered by ____.

(1) food crops

(2) ornamental plants

(3) cash crops

(4) vegetables

(5) jute and cotton

138. Which of the following terms is **not** related with the banking operations ?

(1) Current Account

(2) Exchange rate

(3) Investment rate

(4) Domestic Saving rate

(5) Veto Power

139. Loan taken by a small farmer will be considered a loan for agricultural purpose by a bank :

A. Purchase of tractor

B. Purchase of seeds

C. Purchase of gold for marriage of the daughter

(1) Only A

(2) Only B

(3) Both A and B

(4) Only C

(5) None of these

140. Who amongst the following is an Economist of international repute ?

(1) Amartya Sen

(2) Shobha De

(3) Nani Palkiwala

(4) Arun Shourie

(5) None of these

141. International Day of Non-violence is observed on the birth day of _____.
   (1) Jawahar Lal Nehru
   (2) Indira Gandhi
   (3) Rajiv Gandhi
   (4) Sonia Gandhi
   (5) Mahatma Gandhi

142. Who amongst the following presented the Union Budget 2012-13 in the Parliament ?
   (1) Manmohan Singh
   (2) P. Chidambaram
   (3) Sonia Gandhi
   (4) Lalu Prasad Yadav
   (5) Pranab Mukherjee

143. Who amongst the following was the Captain of the India Cricket Team who won the ICC World Cup-2011 ?
   (1) Yuvraj Singh
   (2) M. S. Dhoni
   (3) Rahul Dravid
   (4) Sourav Ganguly
   (5) None of these

144. The Reserve Bank of India in June 2012 increased the limit on foreign investment in government securities by
   (1) S 5 billion
   (2) S 10 billion
   (3) S 7 billion
   (4) S 8 billion
   (5) S 15 billion

145. The National Stock Exchange is located in _____.
   (1) New Delhi   (2) Mumbai
   (3) Kolkata   (4) Chennai
   (5) Bangalore

146. Which of the following countries does not play international cricket ?
   (1) Russia
   (2) England
   (3) South Africa
   (4) Pakistan
   (5) India

147. Which of the following commodities is a major item of the export from India to many countries ?
   (1) Vegetable
   (2) Paddy
   (3) Tea
   (4) Jute
   (5) All of these

148. Which of the following is an International Tennis Tournament championship ?
   (1) Sunfeast Open
   (2) Grand Prix
   (3) Grand Master Championship
   (4) FIFA World Cup
   (5) None of these

149. Mrs. Sonia Gandhi is the chairperson of the UPA, who has a government in centre. What is the full form of UPA ?
   (1) Union Progressive Alliance
   (2) United Participatory Association
   (3) Unanimous Progressive Association
   (4) Union Public Alliance
   (5) United Progressive Alliance

150. Which of the following is a Private Bank functioning in India ?
   (1) Axis Bank
   (2) Bank of Baroda
   (3) Dena Bank
   (4) Punjab National Bank
   (5) Bank of Maharashtra

151. A person staying in a small village having population of about 50000. If he/she decides to take a loan of Rs. 25000, most probably he/she has to visit a bank in his/her village which will be certainly
   A. A Rural Bank
   B. A Nationalised Bank
   C. Foreign Bank
   (1) Only A
   (2) Only B
   (3) Either A or B
   (4) Only C
   (5) None of these

152. Which of the following is the autobiography of the film actor Dev Anand ?
   (1) My Story
   (2) Sunny Days
   (3) Romancing With Life
   (4) Wings of Fire
   (5) None of these

153. Which of the following ministries of the Central Government presents its own budget every year separately to the Parliament ?
   (1) Ministry of Social Welfare
   (2) Ministry of Agriculture
   (3) Ministry of Commerce and Industries
   (4) Ministry of Railways
   (5) None of these

154. Which of the following Prizes/Awards is given for excellence in the field of Sports ?
   (1) Pulitzer prize
   (2) Shanti Swarup Bhatnagar Award
   (3) Arjuna Award
   (4) Shram Vir Purushkar
   (5) None of these

155. Santosh Trophy is associated with the game of _____.
   (1) Cricket   (2) Football
   (3) Hockey   (4) Tennis
   (5) Golf

156. Which of the following is a method of 'Irrigation' prevalent in India ?
   (1) Igloo   (2) Fog
   (3) Drip   (4) Delta
   (5) Lagoon

157. Manavjit Singh Sandhu is a well known _____.
   (1) Film Actor
   (2) Journalist
   (3) Social Worker
   (4) Sportsman
   (5) Author

158. Which of the following companies is a steel making company ?
   (1) Hindalco   (2) Raymonds
   (3) Lakme   (4) Corus
   (5) None of these

159. 'LBW' is the term associated with the game of _____.
   (1) Cricket   (2) Hockey
   (3) Tennis   (4) Football
   (5) None of these

160. Which of the following is not a public sector company ?
   (1) HPCL   (2) BPCL
   (3) BHEL   (4) Gillette
   (5) All of these

COMPUTER KNOWLEDGE

161. _____ key is the example of Toggle key
(1) Alt   (2) Shift
(3) Control   (4) Escape
(5) Caps Lock

162. _____ is a feature for scheduling and multiprogramming to provide an economical interactive system of two or more users
(1) Time sharing
(2) Multitasking
(3) Time tracing
(4) Multiprocessing
(5) None of these

163. ROLLBACK in a database is _____ statement
(1) TCL   (2) DCL
(3) DML   (4) DDL
(5) SDL

164. Video controller
(1) Controls the resolution of images on screen
(2) Controls the signals to be sent and received from processor for display
(3) Handles the entire electronic work behind the formation of images on the screen
(4) Is responsible for allocating pixels for formation of images
(5) Is responsible for the refresh rate of the screen/monitor

165. The disks stores information in
(1) Tables
(2) Rows and columns
(3) Blocks
(4) Tracks and sectors
(5) All of these

166. Which file (s) can be executed without mentioning its extension name
(1) .exe   (2) .bat
(3) .com   (4) .app
(5) All of these

167. A programming language having a ____ is slow in execution
(1) Interpreter (2) Compiler

(3) Assembler
(4) Linker
(5) none of these

168. The word processor used by DOS to write the programs or instructions
(1) WordStar   (2) WordPad
(3) Notepad   (4) MS-Word
(5) EDIT

169. _____ provides total solutions to reduce data redundancy, inconsistency, dependence and unauthorized access of data
(1) DBMS
(2) Tables
(3) Database
(4) Protection passwords
(5) Centralization of data

170. Codec refers to
(1) Coder - decoder
(2) Co-declaration
(3) Command declaration
(4) Command decoding
(5) None of these

171. Origin of internet can be tracked from
(1) ARPAnet
(2) Radio networks
(3) Satellite networks
(4) Indian army networks
(5) Air Force networks

172. To connect networks of similar protocols, _____ are used
(1) Routers
(2) Bridges
(3) Gateways
(4) Dial-up routers
(5) None of these

173. Decimal equivalent of (1 1 1 1)2
(1) 11   (2) 10
(3) 1   (4) 15
(5) 13

174. ____ is one reason for problems of data integrity
(1) Data availability constraints
(2) Data inconsistency
(3) Security constraints
(4) Unauthorized access of data
(5) Data redundancy

175. Dr. E.F. Codd represented ___ rules that a database must obey if it has to be considered truly relational
(1) 10   (2) 8
(3) 12   (4) 6
(5) 5

176. ">" symbol in DOS commands is use to
(1) Compare two values
(2) Redirect input
(3) Redirect output
(4) Filter data
(5) None of these

177. System proposal is prepared in _____ phase of SDLC
(1) Conception (2) Initiation
(3) Analysis   (4) Design
(5) construction

178. A data warehouse
(1) Contains numerous naming conventions and formats
(2) Is organized around important subject areas
(3) Contains only current data
(4) Can be updated by end users
(5) Explains some observed event or condition

179. which of these is considered intelligent CASE tool
(1) Toolkit
(2) Methodology companion
(3) Workbench
(4) Upper CASE
(5) Lower CASE

180. Super computer developed by Indian scientists
(1) Param
(2) Super301
(3) Compaq Presario
(4) Cray YMP
(5) Blue Gene

181. The errors that can be find out by a compiler are
(1) Logical errors
(2) Internal errors
(3) Semantic errors
(4) Syntax errors
(5) Execution errors

182. _____ is used to add or put into your document such as a picture or text

(1) TV
(2) Squeeze in
(3) Push in
(4) Insert
(5) None of these

183. Office Assistant is
(1) An application that allows you to take notes and save them in file
(2) A button on the standard toolbar that executes the Save command
(3) A collection of Autocorrect options in Word
(4) An animated character that offers help and suggestions
(5) None of these

184. Pressing CTRL+9 in Excel
(1) Prints 9
(2) Prints
(3) Prints 9 followed by spaces
(4) Inserts 9 cells at the current location
(5) Hides the current row

185. To change the name of an Excel worksheet
(1) Click on the worksheet tab by holing CTRL key and type a new name
(2) Choose Save AS option from file menu
(3) Add a (?) at the end of filename while saving the workbook
(4) Press CTRL+SHIFT keys and new name
(5) Double click at the worksheet tab and type a new name

186. A computer used at supermarkets, departmental stores and restaurant etc is called _____ terminal
(1) P-O-S   (2) Dumb
(3) Intelligent   (4) Smart
(5) calculating

187. _____ acts as temporary high-speed holding area between the memory and the CPU thereby improving processing capabilities
(1) ROM
(2) RAM
(3) Temporary memory
(4) Cache memory
(5) Flash memory

188. A document that explains how to use a software program is called _____ manual
(1) User
(2) System
(3) Software
(4) Program
(5) Technical

189. The process that deals with the technical and management issues of software development is _____
(1) Delivery process
(2) Control process
(3) Software process
(4) Testing process
(5) Monitoring process

190. A collection of conceptual tools for describing data, relationships, semantics and constraints is referred to as
(1) ER model   (2) Data base
(3) Data Model (4) DBMS
(5) None of these

191. You can protect sensitive data from prying eyes using _____
(1) Encryption
(2) Passwords
(3) File locks
(4) File permissions
(5) None of these

192. Android is _____
(1) Operating system
(2) Application
(3) Interface
(4) Software
(5) A collection of all these

193. _____ search engine sends request for information to several search engines simultaneously and compiles the results
(1) Meta
(2) Individual
(3) Directory
(4) Subject directory
(5) None of these

194. _____ search method is conducted for a specific title, domain, URL, or host

(1) Keyword
(2) Field
(3) Boolean
(4) Miscellaneous
(5) Logical

195. To access a website or web content from a web server, the client sends a(n) _____
(1) Information
(2) Message
(3) Request
(4) Response
(5) Interrupt

196. An http request contains _____ parts
(1) 2   (2) 5
(3) 3   (4) 4
(5) 1

197. Through _____, an administrator or another user can access someone else's computer remotely
(1) Administrator
(2) Web server
(3) Web application
(4) HTTP
(5) Telnet

198. Telnet is a _____ based computer protocol
(1) Sound
(2) Text
(3) Image
(4) Animation
(5) Digits

199. To allow someone else schedule your meetings and appointments, _____ feature of Outlook is used
(1) Monthly calendar
(2) Event manager
(3) Appointments
(4) Delegate Access
(5) None of these

200. P2P is a _____ application architecture
(1) Client/ server
(2) Distributed
(3) Centralized
(4) 1-tier
(5) None of these

ANSWERS

1. (5)	2. (2)	3. (2)	4. (1)
5. (4)	6. (4)	7. (3)	8. (3)
9. (1)	10. (5)	11. (1)	12. (5)
13. (3)	14. (4)	15. (1)	16. (2)
17. (4)	18. (2)	19. (1)	20. (1)
21. (2)	22. (3)	23. (5)	24. (3)
25. (4)	26. (4)	27. (1)	28. (1)
29. (3)	30. (1)	31. (2)	32. (1)
33. (5)	34. (4)	35. (2)	36. (2)
37. (3)	38. (1)	39. (4)	40. (3)
41. (5)	42. (2)	43. (5)	44. (4)
45. (4)	46. (2)	47. (1)	48. (4)
49. (4)	50. (2)	51. (1)	52. (4)
53. (1)	54. (1)	55. (2)	56. (5)
57. (3)	58. (1)	59. (3)	60. (2)
61. (5)	62. (2)	63. (2)	64. (1)
65. (2)	66. (4)	67. (5)	68. (1)
69. (2)	70. (1)	71. (1)	72. (3)
73. (1)	74. (5)	75. (3)	76. (2)
77. (4)	78. (5)	79. (3)	80. (3)
81. (4)	82. (2)	83. (5)	84. (3)
85. (2)	86. (2)	87. (5)	88. (4)
89. (1)	90. (3)	91. (1)	92. (1)
93. (5)	94. (4)	95. (5)	96. (3)
97. (4)	98. (1)	99. (3)	100. (4)
101. (2)	102. (3)	103. (5)	104. (3)
105. (5)	106. (2)	107. (1)	108. (3)
109. (4)	110. (4)	111. (2)	112. (4)
113. (2)	114. (4)	115. (5)	116. (1)
117. (5)	118. (5)	119. (5)	120. (5)
121. (5)	122. (5)	123. (4)	124. (5)
125. (5)	126. (2)	127. (3)	128. (4)
129. (4)	130. (1)	131. (1)	132. (5)
133. (5)	134. (5)	135. (4)	136. (3)
137. (1)	138. (5)	139. (3)	140. (1)
141. (5)	142. (5)	143. (2)	144. (1)
145. (2)	146. (1)	147. (5)	148. (1)
149. (5)	150. (1)	151. (3)	152. (2)
153. (4)	154. (3)	155. (2)	156. (3)
157. (4)	158. (4)	159. (1)	160. (4)
161. (5)	162. (1)	163. (1)	164. (3)
165. (4)	166. (5)	167. (1)	168. (5)
169. (1)	170. (1)	171. (1)	172. (2)
173. (4)	174. (5)	175. (3)	176. (3)
177. (2)	178. (2)	179. (3)	180. (1)
181. (4)	182. (2)	183. (4)	184. (5)
185. (5)	186. (1)	187. (4)	188. (1)
189. (3)	190. (3)	191. (4)	192. (5)
193. (1)	194. (2)	195. (5)	196. (3)
197. (5)	198. (2)	199. (4)	200. (2)

EXPLANATIONS

1. (5) Alive is different from the other four words. Walk, Cry, Play and Study are various actions of human beings. Alive means 'living', 'not dead', 'in existence', 'continuing' etc.

2. (2)

```
22  9  18  20  21   1   12
 V  I   R   T   U   A    L
```

3. (2) Meaningful word ⇒ LIP

4. (1)

```
F    L    I    P    E    R
+1↓  −1↓  +1↓  −1↓  +1↓  −1↓  +1↓
G    K    J    O    D    S
```

5. (4) The only child of Arun's mother means Arun himself. Therefore, the girl is the daughter of Arun.

6. (4)

```
L I S P  ──→  M J T Q
        +1
        +1
        +1
        +1
```

```
P L A N ──→  Q M B O
        +1
        +1
        +1
        +1
```

Therefore,

```
F O R T ──→  G P S U
        +1
        +1
        +1
        +1
```

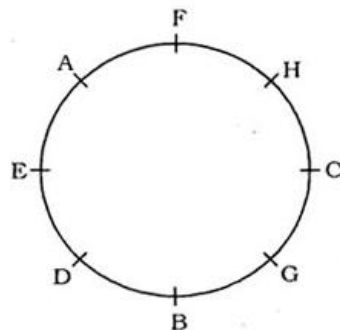7. (3) 'Artificial' is antonym of 'Natural'. Similarly, 'Private' is antonym of 'Public'.

8. (3) $21 = 7 \times 3$; $91 = 7 \times 13$; $77 = 7 \times 11$; $35 = 7 \times 5$; But, $65 = 7 \times 9.28$

9. (1) $\xrightarrow{6}$ P || V || V $\xleftarrow{12}$
Vishal's rank from the top is 10th.

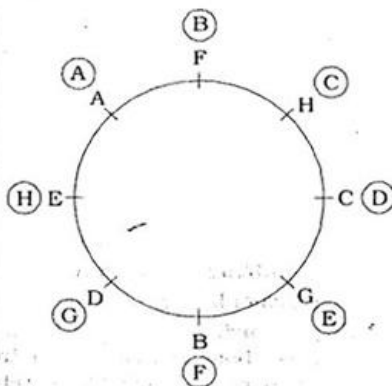10. (5) 1, 12, 123, 1234, 12345, 123456, 123456 7

(11-15) :

11. (1) D is to the immediate left of B.

12. (5) B and C are immediate neighbours of G.

13. (3) C is sitting just opposite to E. F is sitting just opposite to B. Similarly, A is sitting just opposite to G.

14. (4) Except in the pair BE, in all other pairs the first person is second to the left of the second person. B is second to the right of E.

15. (1)

(16 – 20) :

(i) All glasses are grills → Universal Affirmative (A-type)

(ii) Some windows are grills → Particular Affirmative (I-type).