SBI CLERK-2017-(PRE) MEMORY BASED PAPER -1

TOTAL TIME:-60 MINS

ENGLISH LANGUAGE

DIRECTION (Q. 1-5):- Read the sentence to find out whether there is any error in it or not. The error, if any, will be in one part of the sentence. The number of that part (which has the error) is the answer. If there is no error, the answer is (5). Ignore errors of punctuation, if any.

1. If you have thought (A)/ about the consequences, (B)/ you would not (C)/ have taken the risk. (D)
(A) A   (B) B   (C) C   (D) D   (E) No error

2. Finding a (A)/ decent job has (B)/ always being (C)/ difficult for him. (D)
(A) A   (B) B   (C) C   (D) D   (E) No error

3. Leela had had (A)/ the slice of cake before (B)/ anyone else had (C)/ a chance to eat. (D)
(A) A   (B) B   (C) C   (D) D   (E) No error

4. Danger have always (A)/ been a mate (B)/ for the poor people (C)/ of the Australian outback. (D)
(A) A   (B) B   (C) C   (D) D   (E) No error

5. Despite of the major (A)/ search operations going (B)/ on, they couldn't (C)/ find the lost girl. (D)
(A) A   (B) B   (C) C   (D) D   (E) No error

DIRECTION (Q. 6-10):- In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

The Indian education system is built on the _____ (A) _____ that if something is good for one child, it is good for all the children. _____ (B) _____, we can effectively decentralize education, and if government did not obsessively control what would be the "syllabus" and what will be the method of instruction, there could be an explosion of new and innovative courses _____(C) _____ towards serving various riches of learners. Take for example, the market for learning dancing. There are very different dance forms that _____ (D) _____ students with different tastes. More importantly, different teachers and institutions have developed different ways of teaching dancing. This could never happen if there was a central board of dancing education which _____ (E) _____ strict standard of what will be taught and how such things to be taught.

6. Which of the following words most appropriately fits the blank labelled (A)?
(A) Authenticity   (B) Perspective   (C) Conjecture   (D) Pragmatic   (E) Actuality

7. Which of the following words most appropriately fits the blank labelled (B)?
(A) Despite   (B) When   (C) Inspite   (D) If however   (E) Exclusive

8. Which of the following words most appropriately fits the blank labelled (C)?
(A) Protect   (B) Siege   (C) Restrained   (D) Geared   (E) Impeded

9. Which of the following words most appropriately fits the blank labelled (D)?
(A) Constrain   (B) Configure   (C) Allure   (D) Channelize   (E) Consume

10. Which of the following words most appropriately fits the blank labelled (E)?
(A) Liberalized   (B) Enforced   (C) Tempted   (D) Impended   (E) Specialized

DIRECTION (Q. 11-15):- In the following questions four words are given in bold. One of these words given in bold may be wrongly spelt or inappropriate in the context. Find out that word. If all the words are correct, choose 'All correct' as the answer.

11. The question is continuously **appearing** if it is **effective** to send Indian students to **foreign** countries since they **recurrently** return.
(A) appearing   (B) effective   (C) foreign   (D) recurrently   (E) All Correct

12. Language is a **skill** activity by which extreme **distinctions** on meaning can be observed for an **abominable** understanding of one's **behavior**.
(A) skill   (B) distinctions   (C) abominable   (D) behavior   (E) All Correct

13. **During** earthquake, people heard a **strange jolt** and **rushed** out of their houses.
(A) During   (B) strange   (C) jolt   (D) rushed   (E) All Correct

14. Thousands of people **from far and near** started **dispersing** outside his house to pay their **tributes** to the **veteran** actor.
(A) from far and near   (B) dispersing   (C) tributes   (D) veteran   (E) All Correct

15. The **confines** of law cannot **trample** on or **curtail** the inherent rights **broken up** with an individual.
(A) confines   (B) trample   (C) curtail   (D) broken up   (E) All Correct

DIRECTION (Q. 16-25):- Read the following passage carefully and answer the questions given below it. Certain words/phrases have been printed in bold to help you locate them while answering some of the questions.

Two doves lived on a banyan tree in the jungle. While one of them lived on the branches, the other lived inside a hole at the foot of the tree. They became good friends, and they would spend long hours with each other telling each other stories, **anecdotes** and events of their lives. In this manner, the doves spent their time in happiness.

One day, one of them went with some other doves in search of food. When he did not return as usual at sunset, the other dove started worrying. He thought, "He has not done this ever. Why has he not returned home today? Has he been trapped by some hunter? Or maybe even killed? I cannot live without my friend, I hope he comes back soon. I am certain there is some reason why he has not returned even at nightfall." He did not return even the next day, or the day after. For several days, the dove kept worrying, and then gave up hope of his friend's return. One night, a hare came to the tree and observing an empty hole at the foot of the tree, took shelter inside. Since, the dove had given up hope of his friend's return, he did not object to the hole being occupied by the hare.

After a few days the dove returned. He had gone to a place where there was plenty of food to eat. He had grown fat, but remembering his dear friend, he thought of returning. On his return, when he found that a hare had taken over his house, he objected strongly, "Hare! This hole is my home, and you have taken it over during my absence. This is very **unfair** of you. I demand you to leave immediately". But the hare disagreed, "This place is mine now. I am not leaving." Thus, they began to quarrel. The dove understood there was no point in quarrelling with the hare, and said, "Hare! You seem to lack the basic ethics. Let us approach someone holy and knowledgeable. Let someone well-versed in holy books decide who is right, and thus, who shall have the right to occupy the hole." The hare agreed, and as suggested they went to look for a holy animal to settle their dispute.

Meanwhile, a wild wolf became aware that they wanted to settle their **dispute** through a holy animal. He quickly posed as a learned animal. He held a blade of holy Kusha grass in his paw stood on his hind legs, with his eyes closed, and started chanting. He stood on the bank of a river, where he would be more visible and be quickly spotted by the dove and the hare. When the dove and the hare came across him, the hare said, "He looks like a holy and learned animal, let us go and seek his advice." The dove agreed but said, "Yes, let us seek his opinion. But he is a wild wolf by birth, and a natural **predator** of both of us. We should be careful, and speak with him only from a distance."

As decided, they came to the wild wolf, but stood at a distance and asked, "Holy animal! We have a dispute amongst us. Will you please settle our dispute and tell us who is right in accordance to the Holy Scriptures? If you decide that one of us has sinned, you may as well eat him!" The wolf replied, "O my friends, I have denounced the violent life as it leads to hell. Non-violence is the very essence of true religion. I shall not harm any of you. However, I will hear both of you and settle your dispute with the knowledge I have gained."

Both the dove and the hare were impressed. The wild wolf continued, "But I am old, and cannot hear you from that distance. Fear not! I do not even harm a fly, bug or a mosquito. Come close, and explain the reason of your dispute. I shall make the most just settlement." With these words, he **won the confidence** of the hare and the dove. Both moved closer to the wolf and sat down to explain the reason of their dispute. This was the very opportunity that the wolf was looking for. As soon as they sat beside him, he jumped and seized one of them in his teeth and the other with his claws. He killed them both and made a meal out of them.

16. Which of the following statement(s) is NOT true as per the given information in the passage?
(A) The three doves lived in a Banyan tree in the jungle
(B) The doves became good friends
(C) The hare and the dove thought the wild wolf was a learned animal
(D) The hare and the dove agreed to speak with the wolf from a distance
(E) None of the above

17. Which of the following statement(s) is true as per the given information in the passage?
(A) The dove that went searching for food couldn't come back because he forgot the way back to the tree
(B) The dove who stayed back strongly objected to the hare staying in the hole of the tree
(C) The hare thought that the wolf looked like a holy animal and suggested that they take his advice
(D) The hare told the dove that the wolf was their predator and they should be careful
(E) None of the above

18. When the dove from the hole did not come back to the tree, the other dove thought he:
A. May have been trapped by a hunter
B. May have lost the way back to the tree
C. May have been killed
(A) Only A   (B) A and B   (C) A and C   (D) B and C   (E) A, B and C

19. According to the passage, which of the following things did the wolf not do to pose as a learned animal?
(A) He held a blade of holy Kusha grass in his paw
(B) He stood on his hind legs
(C) He closed his eyes
(D) He started chanting
(E) He wore a flower garland in his neck

20. What should be the most appropriate title of the passage in your opinion?
(A) The Cunning Mediator   (B) The Friendship of Doves   (C) Scenes in the Forest
(D) The Holy Wolf   (E) The Tree with the Hole

21. Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in the passage - **Anecdotes**

(A) Narrative (B) Antibiotics (C) Narcolepsy (D) Annoy (E) None of the above

22. Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in the passage - **Predator**
(A) a highly cunning animal
(B) an organism superior in physical strength
(C) an organism that exists by preying upon other organisms
(D) an organism that is very intelligent
(E) None of the above

23. Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in the passage - **Win the confidence**
(A) to make someone move tremble in fear
(B) to make someone feel that they can trust you
(C) to motivate someone
(D) to gain the admiration of someone
(E) None of the above

24. Choose the word/group of words which is most opposite in meaning to the word/group of words printed in bold as used in the passage - **Unfair**
(A) just (B) dishonest (C) cheating (D) improper (E) partisan

25. Choose the word/group of words which is most opposite in meaning to the word/group of words printed in bold as used in the passage – **Dispute**
(A) resolution (B) feud (C) brawl (D) fight (E) harmony

DIRECTION (Q. 26-30):- Rearrange the following SIX sentences/ group of sentences (A), (B), (C), (D), (E), (F) and in proper sequence to form a meaningful paragraph; then answer the questions given below them.
A. He turned a deaf ear to all the heart- rending cries of his sister.
B. Kamsa, after nine years, troubled by the fear of his possible death, lost his appetite and slept poorly at night.
C. Nine years passed before Devaki got pregnant for the eighth time.
D. Every time Devaki gave birth to a child in the dungeons, Kamsa destroyed the child.
E. Kamsa confined Devaki and her husband King Vasudev in the palace dungeons and kept them under constant watch.
F. But he waited for the birth of his nemesis with murderous thoughts and was determined to kill this time too.

26. Which of the following is the FIRST statement after rearrangement?
(A) E (B) C (C) B (D) F (E) D

27. Which of the following is the SECOND statement after rearrangement?
(A) A (B) E (C) B (D) D (E) F

28. Which of the following is the THIRD statement after rearrangement?
(A) E (B) A (C) B (D) D (E) C

29. Which of the following is the FOURTH statement after rearrangement?
(A) A (B) E (C) B (D) F (E) C

30. Which of the following is the FIFTH statement after rearrangement?
(A) A (B) E (C) D (D) D (E) B

QUANTITATIVE APTITUDE

DIRECTION (Q. 31-32):- What should come in place of the question mark '?' in the following question?

31. $25866 – 6488 – 2336 - 231 = ?$
(A) 16711 (B) 16821
(C) 16815 (D) 16811
(E) None of these

32. $1891 ÷ 31 × ? = 3111$
(A) 31 (B) 61
(C) 41 (D) 51
(E) None of these

DIRECTION (Q. 33-34):- What approximate value should come in the place of question mark '?' in the following question? (You are not expected to calculate the exact value)

33. $40.05 × 14.95 − 33.99 × 11.01 = (35.001 + ?) × 4.88$
(A) 10 (B) 13
(C) 20 (D) 21
(E) None of these

34. $2127.9 ÷ 73.31 × 95.01 = (? − 194.79) × 37.9$
(A) 185 (B) 167
(C) 825 (D) 385
(E) None of these

DIRECTION (Q. 35-40):- What will come in the place of the question mark '?' in the following question?

35. $30\% \ of \ 260 + \sqrt{?} = 48\% \ of \ 550 − 16\% \ of \ 150$
(A) 36557 (B) 25576
(C) 27756 (D) 26244
(E) None of these

36. $6\frac{5}{6} × 5\frac{1}{3} + 10\frac{3}{5} × 4\frac{1}{2} = ?$
(A) $84\frac{13}{90}$ (B) $84\frac{1}{9}$
(C) $225\frac{1}{90}$ (D) $115\frac{13}{90}$
(E) None of these

37. $(7.75 × 56) ÷ 16 - 1230 ÷ 240 = ? × 5$
(A) 2.4 (B) 4.2
(C) 4 (D) 4.4
(E) 2

38. $(1/11)$ of $\left\{(17424)^{\frac{1}{2}} \div (66)^2 \times 33 = ?2\right.$

(A) 4/11   (B) 2/27
(C) 3/11   (D) 1/27
(E) None of these

39. $22440 \div \sqrt{?} = 34 \times 12$
(A) 55   (B) 3136
(C) 65   (D) 3025
(E) None of these

40. $\sqrt{?} + 136 = \frac{5}{8}$ of 320
(A) 4096   (B) 2045
(C) 1024   (D) 4512
(E) None of these

41. If a wall is 1 m long, 2 m high and 20 cm thick then how many bricks each measuring 20 cm by 5 cm by 10 cm will be required to build the wall?
(A) 280   (B) 520
(C) 460   (D) 350
(E) None of these

42. Anjali told Shikha that 7 years ago, their ages (in years) were in the ratio 4 : 5 and 7 years hence they will be in the ratio 5 : 6. What will be the sum of their present ages?
(A) 200 years   (B) 163 years
(C) 170 years   (D) 140 years
(E) 180 years

43. A machine M could make bath soap with 1.67 times more speed than machine N. How much time will they, working together, take to make 1000 soaps which M alone could have done in 40 minutes 30 second?
(A) 81/4 minutes
(B) 371/16 minutes

(C) 405/16 minutes
(D) 435/16 minutes
(E) 441/16 minutes

44. A cricket player after playing 10 tests scored 100 runs in the 11th test. As a result of which, the average of his runs is increased by 5. The present average of his runs is?
(A) 50   (B) 45
(C) 30   (D) 55
(E) None of these

45. A boat, whose speed in 10 km/hr in still water goes 45 km downstream and comes back in a total of 12 hours. The speed of the stream (in km/hr) is:
(A) 10   (B) 8
(C) 5   (D) 2.5
(E) 1.2

46. It takes 36 seconds for a train to cross a 300m bridge. If the length of train is 100m, what is the speed of the train?
(A) 32 kmph   (B) 36 kmph
(C) 40 kmph   (D) 42 kmph
(E) 48 kmph

47. Sanjay starts a business. He makes a profit of 30% in the 1st year. In the next year, he had a loss of 10% of the capital which he had at the beginning of the 2nd year. His overall gain or loss % in the capital is -
(A) 20%   (B) 10%
(C) 11%   (D) 30%
(E) 17%

DIRECTION (Q. 48-52):- What will come in place of the question

mark '?' in the following number series?

48. 12, 35, 81, 173, 357, ?
(A) 725   (B) 715
(C) 726   (D) 736
(E) None of these

49. 7, 8, 17, 42, ?
(A) 67   (B) 78
(C) 91   (D) 106
(E) None of these

50. 1, 7, 49, 343, ?
(A) 16807   (B) 1227
(C) 2058   (D) 2401
(E) None of these

51. 353, 354, 351, 356, 349, ?
(A) 348   (B) 358
(C) 338   (D) 385
(E) 340

52. 1, 9, 65, 393, 1969, ?
(A) 2976   (B) 5479
(C) 7881   (D) 7653
(E) 7683

53. The difference in compound interest and simple interest on a certain amount at 10% p.a. at the end of the third year is Rs. 620. What is the principal amount?
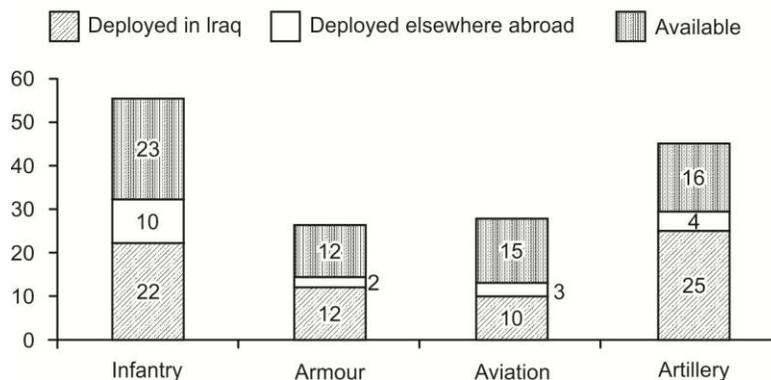(A) Rs. 40000   (B) Rs. 120000
(C) Rs. 10000   (D) Rs. 20000
(E) Rs. 200000

54. What would be the compound interest on Rs 31250 at 16% per annum compound quarterly for 9 months?
(A) Rs 3902   (B) Rs 1210
(C) Rs 1380   (D) Rs 1798
(E) None of these

Directions (Q. 55-59):- Study the following bar-diagram carefully and answer the questions.

Currently Active US combat battalions
1 battalion = 1000 troops

Deployed in Iraq   Deployed elsewhere abroad   Available

55. The number of total Active US combat battalions is how many times that of the total Infantry?
(A) 3 times   (B) 2.5 times
(C) 2.8 times   (D) 3.2 times
(E) None of these

56. What is the percentage of Infantry troops deployed in Iraq with respect to the total Armour troops available in the US combat troops?
(A) 84.61%   (B) 75%
(C) 124.5%   (D) 76%

(E) None of these

57. What is the ratio of total Aviation troops to total Infantry troops among the Active US combat troops?
(A) 11:9   (B) 11:8
(C) 28:55   (D) 9:11

(E) None of these

58. What is the total number of Active US combat troops deployed elsewhere abroad in all types?
(A) 19   (B) 1800
(C) 19000   (D) 18000
(E) None of these

59. What per cent of Active US combat battalions belonging to infantry is available?
(A) 44.2%   (B) 41.8%
(C) 42.2%   (D) 40.5%
(E) None of these

60. Arti sold an article at a loss of 20%. If she had sold that article for Rs. 1380 more, she would have gained 10%. Find the cost price of that article.
(A) Rs. 6900   (B) Rs. 4600
(C) Rs. 3450   (D) Rs. 2530

(E) None

61. Mr Sharma distributed Rs. 48 equally among his grandchildren. Had there been 4 children less, each would have received Rs. 6 more. How many grandchildren does he have?
(A) 8   (B) 4
(C) 3   (D) 5
(E) 6

62. How many factors of $2^4 \times 3^7 \times 5^8$ are odd numbers?
(A) 70   (B) 81
(C) 72   (D) 99
(E) 100

63. The ages of A, B and C together is 185 years. B is twice as old as A and C is 17 years older than A. Then, the respective age of A, B and C are
(A) 40, 86 and 59 years

(B) 42, 84 and 59 years
(C) 40, 80, 65 years
(D) 20, 30 and 70 years
(E) None of these

64. The cost of type 1 tea is Rs. 19 per kg and type 2 tea is Rs. 40 per kg. If both type 1 and type 2 are mixed in the ratio 3 : 4, then the price per kg of the mixed variety of tea is
(A) Rs. 31
(B) Rs. 28
(C) Rs. 19
(D) Cannot be determined
(E) None of these

65. P = $442 \times 484 \times 529 \times 276 \times 675$. The total number of factors of P is:
(A) 1214   (B) 5706
(C) 6075   (D) 2048
(E) 2160

REASONING ABILITY

Directions (Q. 66-69):- Study the following alphabet series and answer the questions that follow.
D Q A I O P M H Y G K Z U
E L W R N B C V
Note: Each letter gets a numerical value starting from 1, based on its position in the above arrangement starting from D. e. g. D = 1, Q = 2, A = 3 and so on.

66. Find the vowel that appears the earliest and the last in the above series. What is the difference between the squares of the numerical value of these two vowels?
(A) 123   (B) 185
(C) 11   (D) 210
(E) None of these

67. If it is possible to make a meaningful word from sixth, eighth, fourteenth and fifteenth alphabets from the above series, give your answer as Y. If no such word can be formed, give your answer as N. If more than one meaningful words can be formed, give your answer as M.
(A) Y
(B) N
(C) M
(D) Data inadequate
(E) None of these

68. Some alphabets from the above series occupy the same position as they occupy in the English alphabet

sequence. What is the total of the numerical values of these alphabets?
(A) 10   (B) 19
(C) 9   (D) 15
(E) None of these

69. The value of which of the following consonants, when added to the value of the vowel immediately following it, is equal to 25?
(A) V   (B) L
(C) K   (D) Z
(E) None of these

Directions (Q. 70-72):- Study the following series and answer the questions that follow.
K J 2 ^ U ! A S 3 C 7 $ 9 L
D O 8 X I % N P 4 E * M
+ W

70. How many such consonants are there in the above arrangement, each of which is immediately preceded by a symbol and immediately followed by a letter?
(A) None   (B) One
(C) Two   (D) Three
(E) More than three

71. Which of the following is the 8th to the right of the 19th from the right end of the above arrangement?
(A) %   (B) #
(C) 8   (D) X
(E) None of these

72. How many such numbers are there in the above arrangement, each of which is immediately preceded by

a consonant and immediately followed by a vowel?
(A) None   (B) One
(C) Two   (D) Three
(E) More than three

73. Each of the vowels in the word "MANAGEMENT" is replaced by number 2 and each consonant is replaced by a serial number of that consonant in the word i.e. M is by 1 and N is by 3 and so on. What is the total of all numbers once the replacement is completed?
(A) 40   (B) 41
(C) 42   (D) 43
(E) 44

74. How many independent words can "**HEARTLESS**" be divided into without changing the order of the letters and using each letter only once?
(A) Nil   (B) One
(C) Two   (D) Three
(E) More than three

75. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it.
PLA __ PL __ R P __ AR __ LAR
(A) L P A R   (B) R A L P
(C) A R P L   (D) A R R P
(E) L A P R

DIRECTION (Q. 76-77):- Study the following information and answer the questions that follow.
In a certain code language,

(A) 'ss da mik dfg' means 'good way to gain'
(B) 'ss ju gei zxm' means 'implement one that way'
(C) 'ju flp zxm yux' means 'only buy that one'

(D) 'dfg da drd flp' means 'gain good marks only'
76. What is the code for "only way" in the given code language?
(A) ss ju   (B) flp yux
(C) ss zxm   (D) ss flp

(E) Can't be determined
77. Which of the following represents 'buy' in that language?
(A) ju   (B) flp
(C) zxm   (D) yux
(E) drd

Directions (Q. 78-79):- Study the information carefully and answer the questions that follow.
In each question below, a group of symbols is given, followed by four combinations of letters numbered (A), (B), (C) and (D). You have to find out which of the combinations (A), (B), (C) and (D) correctly represents the group of symbols based on the following coding system and the conditions those follow and mark the number of that combination as your answer. If none of the four combinations correctly represents the group of symbols, mark (E) i.e., 'None of these' as the answer.

Symbol	5	!	9	α	@	©	3	∞	8	1	$	μ	β	%	4	2	6	*	€	π	7	δ	#	Ω
Code	B	G	E	L	P	A	K	C	D	F	H	W	O	Q	I	R	J	U	N	Z	M	V	T	S

Conditions:
i) If the first unit in the group is an even digit and the last unit is a symbol, then both these are to be coded as the code for the symbol.
ii) If the first unit in the group is an odd digit and the last unit is an even digit, then their

codes are to be interchanged.
iii) If both the first and the last units in the group are symbols, then both these are to be coded as 'X'
78. 4@312δ
(A) VPKFRV   (B) VPKFRI
(C) XPKFRX   (D) IPKFRV

(E) None of these
79. 387@©9
(A) KMDTAE   (B) KDMATE
(C) EDMTAK   (D) KDMTAE
(E) None of these

80. Using the following code and key, decode the given coded word –

Code	L	K	B	D	Y	I	S	X	T	J	W
Keys	h	J	r	u	y	z	a	l	s	o	q

Coded word: **LDBBY**
(A) Humid   (B) Hurry
(C) Hello   (D) Husky
(E) Humpy

Directions (Q. 81-83):- Read the following information carefully to answer these questions.
A ÷ B means A is son of B
A × B means A is sister of B
A + B means A is brother of B
A – B means A is mother of B
81. How is 'V related to T' in the expression 'T ÷ R + V × S'?
(A) Aunt   (B) Sister
(C) Daughter   (D) Father
(E) None of these
82. How is 'T related to S' in the expression 'T × R ÷ V – S'?
(A) Father   (B) Sister
(C) Daughter   (D) Aunt
(E) None of these
83. How is 'T related to S' in the expression 'T × R + V ÷ S'?
(A) Sister   (B) Mother
(C) Aunty   (D) Uncle
(E) None of these
84. Manoj and Sachin are ranked seventh and eleventh respectively from the top in a class of 31 students. What will be their respective ranks from the bottom in the class?
(A) 20th and 24th
(B) 24th and 20th

(C) 25th and 21st
(D) 26th and 22nd
(E) None of these
Directions (Q. 85-87):- In the question below are given four statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with 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.
85. Statements:
Some firms are fruits.
All fruits are vans.
No van is a lock.
Conclusion:
I. All vans are fruits.
II. No fruit is lock.
(A) None follows
(B) Only I follow
(C) Only II follows
(D) Both I & II follow
(E) None of these
86. Statements:
Some doors are walls.
Some doors are teeth.
No wall is a teeth.
Some teeth are plates.
Conclusions:

I. Some doors are not walls.
II. Some plates are not teeth.
III. No wall is a plate.
(A) None follows
(B) Only I, II, III follow
(C) Only either II or III follows
(D) Only conclusion I follows
(E) None of these
87. Statements:
All Mats are nests.
All nests are chips.
No dog is nest.
All kites are frogs.
Some kites are dogs.
Conclusions:
I. All nests can be kites.
II. No mat is Dog.
III. Some chips can be kites.
IV. Some kites are not nests.
(A) Only IV follows
(B) Only II follows
(C) Only III follows
(D) Only II and IV follow
(E) All follow
Directions (Q. 88-92):- Study the following information and answer the given questions
Eight colleagues, A, B, C, D, E, F, G and H are sitting around a circular table facing the center but not necessarily in the same order. Each one of them holds a different post – Manager, Company Secretary,

Chairman, President, Vice President, Group Leader, Financial Advisor and Managing Director. A sits third to the right of the Managing Director. Only two people sit between the Managing Director and H. The Vice President and the Company Secretary are immediate neighbors. Neither A nor H is a Vice President or a Company Secretary. The Vice President is not an immediate neighbor of the Managing Director. The Manager sits second to the left of E. E is not an immediate neighbor of H. The Manager is an immediate neighbor of both the Group Leader and the Financial Advisor. The Financial Advisor sits third to the right of B. B is not the Vice President. C sits on the immediate right of the Chairman. A is not the Chairman. F is not an immediate neighbor of A. G is not an immediate neighbor of the Manager.

88. Who among the following sits third to the left of E?
(A) Manager
(B) G
(C) A
(D) Financial Advisor
(E) B

89. Four of the following alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to the group?
(A) F - Chairman
(B) G - President
(C) D - Manager
(D) A - Financial Advisor
(E) B - Managing Director

90. Who among the following is the President of the company?
(A) A   (B) C
(C) H   (D) G
(E) D

91. Which of the following is true with respect to the given seating arrangement?
(A) The Group Leader of the company is an immediate neighbor of the Vice President
(B) G sits second to the right of D

(C) The Group Leader and the Company Secretary are immediate neighbors
(D) The Chairman of the company sits to the immediate left of the Managing Director
(E) The Group Leader sits second to the left of D

92. Which of the following posts does B hold in the company?
(A) Chairman
(B) Manager
(C) Company Secretary
(D) Vice President
(E) Financial Advisor

Directions (Q. 93-95):- Read the following information and answer the below questions
P, Q, R, S, T, V and W are sitting in a straight line facing north but not necessarily in the same order. R sits third to the left of W. Neither R nor W sits at the extreme ends of the line. Only one person sits between R and T. S is not an immediate neighbor of either R or W. Two people sit between T and P. Q is an immediate neighbor of S.

93. Who are the immediate neighbors of V?
(A) PR   (B) PT
(C) WQ   (D) RT
(E) Can't be determined

94. Who is/are immediate neighbor/s of S?
(A) VR   (B) WT
(C) Only R   (D) Only Q
(E) Can't be determined

95. Which of the following is the correct order of sitting?
(A) PRVTWSQ   (B) SQWTRVP
(C) VTWQSRP   (D) PRVTWQS
(E) Can't be determined

Directions (Q. 96-100):- Read the following information and answer the questions that follow.
I. Seven friends Mohan, Parag, Rohith, Sahil, Tharun, Uday and Vishal have gathered at the Hyderabad airport. Five of them are scheduled to go to five different places i.e. Delhi, Chennai, Lucknow,

Bangalore, Kolkata.
II. Five of them are executives, each specializing in Administration, Human Resource Management, Marketing, Computers and Finance.
III. Tharun, an executive, is going to Chennai and is neither from Finance nor from Marketing.
IV. Parag is an executive from Human Resource Management but has come to the airport to see off his friends.
V. Vishal is a Charted Accountant and is going to Delhi. Uday is an executive but is not going to any of the five places.
VI. Mohan is an executive, not from Marketing and is flying to one of the destinations but not to Bangalore or Kolkata.
VII. Rohith is an executive from Computers and is not going to Kolkata

96. The one who is going to Chennai is?
(A) Not an executive
(B) From Administration
(C) From Finance
(D) Sahil
(E) None of these

97. Who among the following specializes in Marketing?
(A) Sahil
(B) Mohan
(C) Uday
(D) Data inadequate
(E) None of these

98. To which pf the following places Rohith flying?
(A) Kolkata   (B) Bangalore
(C) Delhi   (D) Chennai
(E) Lucknow

99. Who among the following is not an executive?
(A) Tharun   (B) Mohan
(C) Rohith   (D) Parag
(E) Sahil

100. Who among the following is an executive going to Lucknow?
(A) Parag   (B) Rohith
(C) Vishal   (D) Mohan
(E) Sahil

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31. (D) 16811

32. (D) $\dfrac{1891}{31} \times ? = 3111$

$? = \dfrac{3111}{61}$

$? = 51$

33. (A) Approximating values and then using bodmas :

$(40 \times 15) - 34 \times 11 = (35 + ?) \times 5$

$600 - 374 = (35 + ?) \times 5$

$\dfrac{226}{5} = 35 + ?$

$45 - 35 = ?$

$? = 10$

34. (E) Approximating values

$\Rightarrow 2128 \div 73 \times 95 = (? - 194.79) \times 38$

$\Rightarrow 29 \times 95 = (? - 194.79) \times 38$

$\Rightarrow (? - 194.79) = \dfrac{29 \times 95}{38} = 72.5$

$\Rightarrow ? = 72.5 + 194.79$

$? = 267.29$

$? = 267$ (Approx)

35. (D) $\dfrac{30}{100} \times 260 + \sqrt{?}$ =

$\dfrac{48}{100} \times 550 - \dfrac{16}{100} \times 150$

$78 + \sqrt{?} = 264 - 24$

$\sqrt{?} = 240 - 78$

$\sqrt{?} = 162$

$\sqrt{?} = (162)^2$

$\sqrt{?} = 26244$

36. (A) $\left(6\dfrac{5}{6} \times 5\dfrac{1}{3}\right) + \left(10\dfrac{3}{5} \times 4\dfrac{1}{2}\right) = ?$

$\left(\dfrac{41}{6} \times \dfrac{16}{3}\right) + \left(\dfrac{53}{5} \times \dfrac{9}{2}\right) = ?$

$? = \dfrac{328}{9} + \dfrac{477}{10}$

$? = \dfrac{3280 + 4293}{90} = \dfrac{7573}{90}$

$= 84\dfrac{13}{90}$

37. (D) $(7.75 \times 56) \div 16 - 1230 \div 240 = ? \times 5$

$\Rightarrow 434 \div 16 - 1230 \div 240 = ? \times 5$

$\Rightarrow 27.125 - 5.125 = ? \times 5$

$\Rightarrow \dfrac{22}{5} = ?$

$\Rightarrow ? = 4.4$

38. (C) $?^2 = \left(\dfrac{1}{11}\right)$ of $\left[132 \div (66)^2 \times 27\right]$

$?^2 = \dfrac{1}{11} \times \dfrac{132}{66 \times 66} \times 27$

$?^2 = \dfrac{2}{11} \times \dfrac{27}{66}$

$?^2 = \dfrac{1}{11} \times \dfrac{27}{33} = \dfrac{1}{11} \times \dfrac{9}{11}$

$?^2 = \left(\dfrac{3}{11}\right)^2 \Rightarrow ? = \dfrac{3}{11}$

39. (D) $22440 \div \sqrt{?} = 34 \times 12$

$\sqrt{?} = \dfrac{22440}{34 \times 12}$

$\sqrt{?} = 55$

$\sqrt{?} = (55)^2$

$? = 3025$

40. (A) $\sqrt{?} + 136 = \dfrac{5}{8} \times 320$

$\sqrt{?} + 136 = 200$

$\sqrt{?} = (64)^2$

? = 4096

41. (E) Given that, length of the wall is 1m

Since 1m = 100 cm

Length = 100 cm

Breadth = 20 cm

height = 200 cm

Volume of the whole wall

= Length × Breadth × Height

= 100 × 20 × 200

= 4,00,000 cm^2

Also, length of a brick = 20 cm

Breadth = 5 cm

Height = 10 cm

Volume of one Brick

= Length × Breadth × Height

= 20 × 5 × 10

= 1000 cm^3

Now,

Number of bricks needed to build the wall

$= \dfrac{\text{Volume of wall}}{\text{volume of one brick}}$

$= \dfrac{400000}{1000} = 400$

42. (D) $\dfrac{4x+7+7}{5x+7+7} = \dfrac{5}{6}$

24x + 84 = 25x + 70

x = 14

Present Ages

Anjali → (4 × 14) + 7 = 63 years

Shikha → (5 × 14) + 7 = 77 years

Now, sum of their Ages = 63 + 77

= 140 years

43. (C) $1.67 = \dfrac{5}{8}$

Efficiency of M = 5 units

Efficiency of N = 3 units

total = 8 units

work = time × Efficiency

$= \dfrac{81}{2} \times 5 = \dfrac{405}{2}$

Time of M + N $= \dfrac{405}{2} \times \dfrac{1}{8} = \dfrac{405}{16}$

44. (A) (x − 5) ×10 + 100 = x × 11

10x − 50 + 100 = 11x

x = 50

Hence, the average runs of the cricketer after 11th test are 50.

45. (C) Let the speed of the stream = x

Speed downstream = (10 + x) km/hr

Speed upstream = (10 − x) km/hr

$\dfrac{45}{(10+x)} + \dfrac{45}{(10-x)}$

45 (10 − x) + 45 (10 + x) = 12 (100 − x^2)

900 = 1200 − 12x^2

12x^2 = 300

x = 5 km/hr

46. (C) Speed of train $= \dfrac{300+100}{36} \times \dfrac{18}{5}$

$= \dfrac{400}{36} \times \dfrac{18}{5}$

= 40 km/hr

47. (E) Let the initial capital be = Rs. 100

1st year profit $= 100 \times \dfrac{30}{100} = Rs.30$

2nd year Lon $= 130 \times \dfrac{10}{100} = Rs.13$

total Profit = 30 − 13 = Rs. 17

Profit % $= \dfrac{17}{100} \times 100 = 17\%$

48. (A) $12 + 23 \times 1 = 35$

$35 + 23 \times 2 = 81$

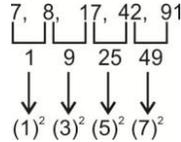$81 + 23 \times 4 = 173$

$173 + 23 \times 8 = 357$

$357 + 23 \times 16 = 725$

49. (C)

50. (D) $7^0 = 1$

$7^1 = 7$

$7^2 = 49$

$7^3 = 343$

$7^4 = 2401$

51. (B) $353 + 1 = 354$

$353 - 2 = 351$

$353 + 3 = 356$

$353 - 4 = 349$

$353 + 5 = 358$

52. (C) $1 \times 8 + 1 = 9$

$9 \times 7 + 2 = 65$

$65 \times 6 + 3 = 393$

$393 \times 5 + 4 = 1969$

$1969 \times 4 + 5 = 7881$

53. (D) $Sum = \dfrac{Difference \times (100)^3}{r^2(300+r)}$

$= \dfrac{620 \times 100 \times 100 \times 100}{100 \times 310}$

$= Rs.\ 20,000$

54. (A) Time = 9 months = 3 Quarters

Rate = 16% p.a. = $\dfrac{16}{4}$

= 4% per Quarter

Amount = $P\left(1 + \dfrac{r}{100}\right)^t$

$\Rightarrow 31250\left(1 + \dfrac{4}{100}\right)^3$

$= 31250 \times \dfrac{26}{25} \times \dfrac{26}{25} \times \dfrac{26}{25}$

$= Rs.\ 35,152$

compound interest = $35152 - 31250$

$= Rs.\ 3902$

55. (C) Total actvie US combat battalions belonging to infantry

$= 22 + 10 + 23 = 55$

total active U5 combat battalions

$= 22 + 10 + 23 + 12 + 2 + 12 + 10 +$

$3 + 15 + 25 + 4 + 16 = 154$

∴ Total active US combat battalions is

2.8 times $\left(\dfrac{154}{55}\right)$ then that of the total

infantry

56. (A) ∴ 1 battalion = 1000 troops

∴ Active US combat troops belonging to infantry that is deployed in Iraq

$= 22 \times 1000 = 22000$

∴ Active US combat troops belonging to Armour

$= 12000 + 2000 + 12000 = 26000$

∴ Required % = $\dfrac{22000}{26000} \times 100$

$= 84.61\%$

57. (C) Active troops belongs to

Aviation   :   Infantry

$(10 + 3 + 15) : (22 + 10 + 23)$

28   :   55

58. (C) Total number of active US battalions deployed elsewhere abroad in all types

$= 10 + 2 + 3 + 4$

= 19 battalions

∴ Total number of active US combat troops

= 19 × 1000 = 19000

59. (B) Required Percentage

$$= \frac{\text{Infantry that is Available}}{\text{Infantry}} \times 100$$

$$= \frac{23}{55} \times 100$$

= 41.8%

60. (B) Let the C.P be ` x

S.P at 20% lon = 0.8x

S.P at 10% profit = 101x

Difference = 0.3x = ` 1380

∴ x = ` 4600

61. (A) Let the number of grandchildren be 'x'

According to the question,

$$\frac{48}{x-4} = \frac{48}{x} + 6$$

⇒ 48x = (x − 4) (48 + 6x)

⇒ 48x = 48x + 6x² − 192 − 24x

⇒ 6x² − 24 − 192 = 0

⇒ x² − 4x − 32 = 0

∴ solving for x, we get x = 8

62. (C) Any factor of this number should be in the from $2^a \times 3^b \times 5^c$

For the factor to be an odd number

a should be 0

b can take 0, 1, 2, 3, 4, 5, 6, 7

and c can take 0, 1, 2, 3, 4, 5, 6, 7, 8

total number of odd factors

= 8 × 9 = 72

63. (B) Let the ages of A, B, C be x, y, z

∴ x + y + z = 185   ...(i)

y = 2x

and z = x + 17

Put the values of y and z in equation (i)

⇒ x + 2x + x + 17 = 185

⇒ 4x = 168

⇒ x = 42

Thus,

y = 2 × 42 = 84 years

z = 42 + 17 = 59 years

64. (A) Let cost of 1kg of the mixture

= mean Price = Rs. x

Ratio of type 1 and type 2

$$= \frac{\text{Type 1}}{\text{Type 2}} = \frac{\text{Quantity of cheapter}}{\text{Quantity of dearer}}$$

$$= \frac{3}{4}$$

$$\Rightarrow \frac{40 - x}{x - 19} = \frac{3}{4}$$

⇒ 3x − 57 = 160 − 4x

⇒ 7x = 217

⇒ x = Rs. 31 per kg

65. (E) P = 442 × 466 × 524 × 276 × 675

Breaking the expression into the prime factors

⇒ 442 = 2 × 13 × 17

⇒ 484 = 2 × 2 × 11 × 11

⇒ 529 = 23 × 23

⇒ 276 = 2 × 2 × 3 × 23

⇒ 675 = 3 × 3 × 3 × 5 × 5

P = $2^5 \times 3^4 \times 5^2 \times 11^2 \times 17 \times 23^3$

∴ Total numbers of factors

= (5+1) (4+1) (2+1) (2+1) (1+1) (3+1)

= 6 × 5 × 3 × 3 × 2 × 4

= 2160

66. (E) Earliest → A → position is 9

Last → E → position is 14

Thus, the required difference is the squares of the Numerical values is

$= (14)^2 - (9)^2$

$= 196 - 9$

$= 187$

67. (A) The 6th, 8th 14th and 15th alphabets are P, H, E, and L

Meaningful word = HELP

68. (B) There are only true alphabets in the series that occupy the same position as they occupy in the English alphabet sequence Thus Alphabets are H and K.

The total of Numerical Value

$= 8 + 11 = 19$

69. (D) z is the consonant which has a numeric value 12 and

v is the vowel which has a numeric value 13.

When, the numeric values are added, the addition is 25.

Hence, the consonant is z

70. (C) There are only there such combination :

\# DO ; %NP

71. (D) The 19th letter from right end is 7. The element 8th to the right of 7 is X.

72. (B) There is only one such combination : P4E

73. (D)

M	A	N	A	G	E	M	E	N	T
1	2	3	4	5	6	7	8	9	10

∴ Total value = 43

74. (E) The words can be formed are :

HE, ART, LESS, HEART, EAR

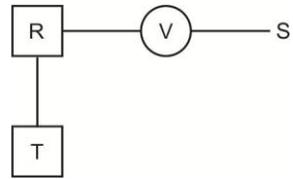**75. (B)** The Sequence is

PLAR PLAR PLAR PLAR

76. (D)
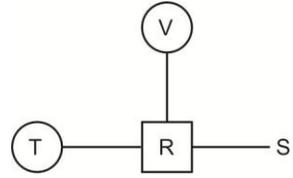
77. (D)

78. (A)

79. (D)

80. (B)

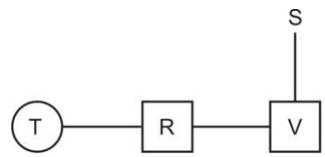| L	D	B	B	Y
↓	↓	↓	↓	↓
h	u	r	r	y

81. (A)
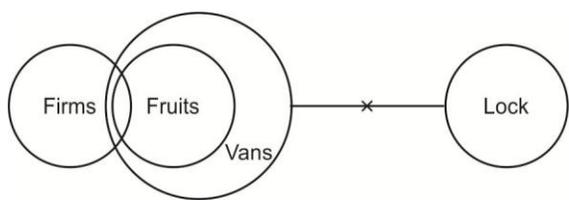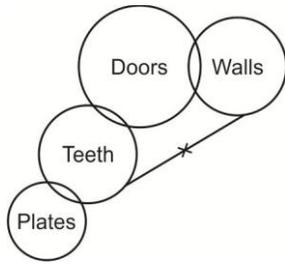

82. (B)

83. (E)

84. (C) Manoj rank from Bottom

$= 31 - (7 - 1) = 25$th

Sachin rank from Bottom

$= 31 - (11 - 1) = 21$th
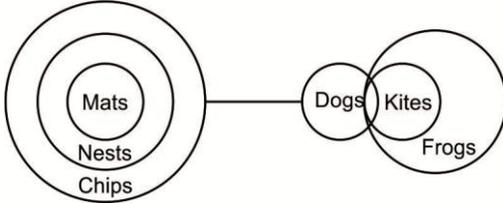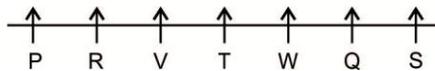
85. (C)

86. (D)

87. (E)

88-92

88. (D)

89. (E)

90. (A)

91. (D)

92. (C)

93-95

| P | R | V | T | W | Q | S |

93. (D)

94. (D)

95. (D)

96-100

Person	Specialization	Place
Tharun	Administration	Chennai
Mohan	Finance	Lucknow
Parag	Human Resource Management	
Rohith	Computers	Bangalore
Sahil		Kolkata
Uday	Marketing	
Vishal	Chartered Accountant	Delhi

96. (B)

97. (C)

98. (B)

99. (E)

100. (D)

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ANSWER KEY

1(A)	2(C)	3(E)	4(A)	5(A)	6(C)	7(D)	8(D)	9(C)	10(B)
11(D)	12(C)	13(C)	14(B)	15(D)	16(A)	17(C)	18(C)	19(E)	20(A)
21(A)	22(C)	23(B)	24(A)	25(E)	26(A)	27(D)	28(B)	29(E)	30(E)
31(D)	32(D)	33(A)	34(E)	35(D)	36(A)	37(D)	38(C)	39(D)	40(A)
41(E)	42(D)	43(C)	44(A)	45(C)	46(C)	47(E)	48(A)	49(C)	50(D)
51(B)	52(C)	53(D)	54(A)	55(C)	56(A)	57(C)	58(C)	59(B)	60(B)
61(A)	62(C)	63(B)	64(A)	65(E)	66(E)	67(A)	68(B)	69(D)	70(C)
71(D)	72(B)	73(D)	74(E)	75(B)	76(D)	77(D)	78(A)	79(D)	80(B)
81(A)	82(B)	83(E)	84(C)	85(C)	86(D)	87(E)	88(D)	89(E)	90(A)
91(D)	92(C)	93(D)	94(D)	95(D)	96(B)	97(C)	98(B)	99(E)	100(D)