ENGLISH LANGUAGE

Directions (1-5) : Each sentence 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.

1. Rohit _____ a huge library and has a large collection of books in it.
   - (1) wants
   - (2) has
   - (3) wanted
   - (4) had
   - (5) needs

2. Rachna liked her room to be exactly the way she left it and she would _____ allow anyone to touch her things.
   - (1) always
   - (2) sometimes
   - (3) willingly
   - (4) never
   - (5) certainly

3. Elephants are the largest living land animals _____ earth today.
   - (1) in
   - (2) and
   - (3) on
   - (4) like
   - (5) at

4. Josephine was elated because the doctor confirmed the news _____ her pregnancy.
   - (1) like
   - (2) of
   - (3) with
   - (4) after
   - (5) in

5. It _____ been estimated that there may be many millions of species of plants, insects and microorganisms still undiscovered in tropical rainforests.
   - (1) have
   - (2) will
   - (3) should
   - (4) has
   - (5) shall

Directions (6-10) : In each question below, four words printed in **bold** type are given. These are numbered (1), (2), (3) and (4). One of these words printed in **bold** might either be **wrongly spelt** or inappropriate in the context of the sentence. Find out the word that is inappropriate or wrongly spelt, if any. The number of the word is your answer. If the words printed in **bold** are correctly spelt and appropriate in the context of the sentence then mark (5) i.e. 'All Correct' as your answer.

6. The **kidnappers** (1)/ asked for **ransom** (2)/ and **threatened** (3)/ to kill Mr. Gopalan's son if their **demands** (4)/ were not met. All Correct (5)

7. Ramesh **spilled** (1)/ juice all over Raj's **new** (2)/ clothes and did not even **care** (3)/ to **apologise**.(4)/ All Correct (5)

8. Ravi **met** (1)/ with an **accidant** (2)/ and **broke** (3)/ his leg the day he **bought** (4)/ his new car. All Correct (5)

9. Daisy **loved** (1)/ children and so she would **distrebute** (2)/ sweets in an **orphanage** (3)/ on her **birthday**.(4)/ All Correct (5)

10. Roshni **wanted** (1)/ to **play** (2)/ with her pet dog and so she **started** (3)/ throwing **tantrums**. (4)/ All Correct (5)

Directions (11-15) : Rearrange the following eight sentences /group of sentences (A), (B), (C), (D), (E), (F), (G) and (H) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(A) During the examination the invigilator noticed the chits and despite Rajesh's plea for innocence asked him to leave the examination hall.

(B) At this point Ravish realised his mistake and felt guilty, so he immediately confessed his misdeed to the invigilator and left the examination hall.

(C) Rajesh forgave Ravish because Ravish had not only accepted his mistake on time but also had not let Rajesh be punished for the wrong reason.

(D) Ravish and Rajesh were in college and had been friends since childhood. However, Ravish did not trust Rajesh.

(E) Another Student – Satish - who had seen Ravish hiding something in Rajesh's desk stood up and informed the invigilator of what he had seen.

(F) One day Ravish decided to test Rajesh's friendship and so during one of the college examinations Ravish went early to class and hid some chits in Rajesh's desk.

(G) Rajesh did not believe Satish, instead was furious that Satish had falsely blamed his friend and agreed that he would leave his examination only if Ravish was kept out of the matter.

(H) After the examination was over Ravish apologised to Rajesh and promised that he would be a good friend from then onwards.

11. Which of the following should be the **FIFTH** sentence after the rearrangement ?
    - (1) G
    - (2) H
    - (3) E
    - (4) D
    - (5) C

12. Which of the following should be the **FOURTH** sentence after the rearrangement ?
    - (1) C
    - (2) D
    - (3) E
    - (4) F
    - (5) G

13. Which of the following should be the **EIGHTH (LAST)** sentence after the rearrangement ?
    - (1) A
    - (2) B

(3) C   (4) D

(5) E

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

(1) A   (2) B

(3) C   (4) D

(5) F

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

(1) A   (2) B

(3) G   (4) F

(5) E

Directions (16–20) : In the following passage, there are blanks, each of which has been numbered. Against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

A dear little girl of three years **[16]** often come across the clover-field to see me. Her name was Aggie. One warm summer day she came all flushed with her little escapade, and not seeing anyone outdoors, continued her walk along the veranda until she reached the open parlour door. The room was pretty well **[17]** with people and after a quick glance across the room, Aggies started across the room to where I was sitting. As she proceeded, a person who **[18]** that he would amuse himself and others by startling her, suddenly exclaimed, "Wow, wow, wow!" Aggie turned around just to see where the sound came **[19]** and in a sweet voice answered, 'Dogs belong outdoors,' and then climbed up onto my knee.

She convinced the person that he had made a great **[20]** and we all admired her.

16. (1) old   (2) used

(3) would   (4) always

(5) then

17. (1) stocked   (2) made

(3) topped   (4) filled

(5) accustom

18. (1) feel   (2) meant

(3) thought   (4) believe

(5) wanted

19. (1) from   (2) at

(3) to   (4) for

(5) on

20. (1) mistake

(2) fool

(3) wonder

(4) remark

(5) sorrow

Directions (21-30) : 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.

A long time ago, on a big tree in the lap of the mountain, lived a bird named Sindhuka. It was a **rather** special bird because its droppings turned into gold as soon as they hit the ground.

One day, a hunter came to the tree in search of prey and he saw Sindhuka's droppings hit the ground and turn into gold. The hunter was struck with wonder. He thought, "I have been hunting birds and small animals since I was a boy, but in all my 80 years, I have never seen such a miraculous creature. He decided that he had to catch the bird somehow. He climbed the tree and **skilfully** set a trap for the bird. The bird, quite unaware of the danger it was in, stayed on the tree and sang merrily. But it was soon caught in the hunter's trap. The hunter immediately seized it and shoved it into a cage

The hunter took the bird home joyfully. But as he had time to think over his good fortune later, he suddenly realised, "If the king comes to know of this wonder, he will certainly take away the bird from me and he might even punish me for keeping such a rare treasure all to myself. So it would be safer and more honourable if I were to go to the king and present the unique bird to him."

The next day, the hunter took the bird to the king and presented it to him in court with great **reverence**. The king was delighted to receive such an unusual and rare gift. He told his courtiers to keep the bird safe and feed-it with the best bird food available.

The king's prime minister though, was **reluctant** to accept the bird. He said "O Rajah, how can you believe the word of a foolish hunter and accept this bird ? Has anyone in our kingdom ever seen a bird dropping gold ? The hunter must be either crazy or telling lies. I think it is best that you **release** the bird from the cage."

After a little thought, the king felt that his prime minister's words were correct. So he ordered the bird to be released. But as soon as the door of the cage was thrown open, the bird flew out, perched itself on a nearby doorway and defecated. To everyone's surprise, the dropping immediately turned into gold. The king mourned his loss.

21. Which of the following is possibly the most appropriate title for the story ?

(1) The Skilled Hunter

(2) The King's Prime Minister

(3) The King's Defeat

(4) The Bird With The Gold Dropping

(5) The Trials And Tribulations Of The Foolish Bird Sindhuka

22. Which of the following emotions made the hunter gift the bird to the king ?

(1) Respect   (2) Joy

(3) Pride   (4) Fear

(5) Awe

23. Which of the following is **TRUE** according to the story ?

(1) Birds like Sindhuka were very common in the area near the mountain.

(2) Sindhuka remained caged for the rest of its life.

(3) Sindhuka was unaware of the trap laid by the hunter

(4) The king, when told to not accept the bird, did not listen to his prime minister.

(5) All are true

24. Why was the king's prime minister reluctant to accept the bird?

(1) He believed that the bird would die if caged

(2) He knew about the hunter's habit of lying

(3) He believed that the bird would bring bad luck to the king

(4) His sources had informed him that the hunter was crazy

(5) None of these

25. How did the hunter find Sindhuka?

(1) He had read stories about the bird and had set traps at various locations in the city.

(2) He followed the bird's droppings.

(3) He was on the lookout for a prey when he chanced upon it.

(4) People from the city had informed him about the bird's whereabouts.

(5) He was attracted by the bird's calls.

Directions (26-28) : 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.

26. RATHER

(1) regular   (2) quite

(3) instead   (4) but

(5) known

27. RELEASE

(1) free   (2) vacate

(3) vent   (4) let expire

(5) make public

28. REVERENCE

(1) respect   (2) detail

(3) astonishment

(4) hope

(5) remembrance

Directions (29-30) : 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.

29. RELUCTANT

(1) true   (2) clever

(3) averse   (4) hesitant

(5) keen

30. SKILFULLY

(1) angrily   (2) haphazardly

(3) highly   (4) cheaply

(5) deftly

NUMERICAL ABILITY

Directions (31-40) : What should come in place of the question mark (?) in the following questions?

31. $415.25 - 627.10 + 958.55 = ?$

(1) 747.5   (2) 674.7

(3) 750.7   (4) 747.9

(5) None of these

32. $34928 - 2591 - 14986 = ?$

(1) 17546   (2) 17355

(3) 17351   (4) 17390

(5) None of these

33. $311 \times 17 - 2482 = ?$

(1) 2650   (2) 2892

(3) 2805   (4) 2788

(5) None of these

34. $12.5 \times 6.7 \times 4.2 = ?$

(1) 315.55   (2) 376.75

(3) 351.75   (4) 358.55

(5) None of these

35. $4567.8 \div (14 \times 9.8) = 5038 - ?$

(1) 348   (2) 522

(3) 541   (4) 333

(5) None of these

36. $51 \times ? = 1632$

(1) 34   (2) 29

(3) 48   (4) 24

(5) None of these

37. $4 \times ? = 6924 \div 15$

(1) 115.6   (2) 125.05

(3) 151.2   (4) 117.4

(5) None of these

38. $8888 - 4444 + 222 = ?$

(1) 5668   (2) 4666

(3) 4888   (4) 3999

(5) None of these

39. 23% of $468 = ?$

(1) 110.45   (2) 106.47

(3) 114.65   (4) 107.64

(5) None of these

40. $6^3 \times 2^4 - 9^2 = ?$

(1) 3375   (2) 3248

(3) 3095   (4) 3585

(5) None of these

Directions (41-45) : What **approximate** value should come in place of the question mark (?) in the following questions ?? (NOTE : You are not expected to calculate the exact value.)

41. $11.304 \times (6.839 - 4.331) = ?$

(1) 30   (2) 45

(3) 16   (4) 52

(5) 12

42. $61 \times 24.879 + (14.059 - 6) = ?$

(1) 110   (2) 190

(3) 220   (4) 348

(5) 98

43. $(3.805)^2 \times 14.018 - 5.991 = ?$

(1) 165   (2) 305

(3) 278   (4) 128

(5) 200

44. $\sqrt{230} \div 2.017 + 58.794 = ?$

(1) 80   (2) 102

(3) 68   (4) 96

(5) 77

45. $3451 \div 9.895 \times 3.0126 = ?$

(1) 1050   (2) 1235

(3) 990   (4) 1360

(5) 1248

46. On a particular day, sweets were to be equally distributed among 960 students of a school. However, on that particular day 360 students remained absent. Hence each student present on that day got three sweets extra. Had all 960 students remained present that day, how many sweets would each student have got ?

(1) 3   (2) 5

(3) 7   (4) 4

(5) None of these

47. What should come in place of the question mark (?) in the following number series ?

9 10 24 81 340 ?

(1) 1376   (2) 1780

(3) 1570   (4) 1725

(5) None of these

48. What would be the compound interest accrued on an amount of ₹ 9,000 at the rate of 11 p.c.p.a. in two years ?

(1) ₹ 2089.90 (2) ₹ 2140.90

(3) ₹ 2068.50 (4) ₹ 2085.50

(5) None of these

49. What is the least number to be added to 2530 to make it a perfect square ?

(1) 50   (2) 65

(3) 75   (4) 50

(5) None of these

50. The difference between 20% of a number and $\frac{7}{15}$th of the same number is 124. What is 40% of that number ?
(1) 186 (2) 200
(3) 196 (4) 465
(5) None of these

51. A train running at the speed of 108 kmph, crosses a 365 metre long platform in 21 seconds. What is the length of the train ?
(1) 260 metres
(2) 275 metres
(3) 265 metres
(4) 285 metres
(5) None of these

52. Ira and John start a business together. The capital invested by Ira was twice of that invested by John. At the end of six months from the start of the business, John doubled his investment. If at the end of the year, the total profit earned was Rs. 8400, what was John's share from the profit ?
(1) Rs. 3600 (2) Rs. 3500
(3) Rs. 4900 (4) Rs. 4800
(5) Rs. 4200

53. The length of a rectangular field is 75% more than the breadth of the same field. If the total cost of fencing the field at the rate of Rs. 5 per metre was Rs. 220, what is the area of the field ? (in sq. metre)
(1) 112 (2) 72
(3) 114 (4) 96
(5) 128

54. In a village there are 4080 resigered voters. 60% of the registered voters could cast their votes and none of the votes were invalid. If only two candidates were contesting the election and the respective ratio of the votes received by them is 12 : 5, what is the number of votes received by the winning candidate ?

(1) 2304 (2) 1824
(3) 1584 (4) 1668
(5) 1728

55. When a certain sum of money is invested for 2 years at the rate of 10 p.c.p.a. (compound interest compounded annually), it amounts to Rs. 2904. Had the rate of interest been 20% p.a., what would have been the amount received after 2 years ?
(1) Rs. 3586 (2) Rs. 3482
(3) Rs. 3260 (4) Rs. 3624
(5) Rs. 3456

56. The distance travelled downstream by a boat in 4 hours is 16 km more than the distance travelled upstream by the boat in the same time. What is the speed of the current ? (in kmph)
(1) 2.5 (2) 3
(3) 3.5 (4) 2
(5) 4

57. The present age of Princy is twice of Roopam's present age. Four years ago, their average age was 14 years, what will be Princy's age after five years ? (in years)
(1) 29 (2) 22
(3) 19 (4) 18
(5) 21

58. Jack bought a laptop from 'Phoenix Digital' for Rs. X and sold it to Jill at a profit of 40%. Jill used it for some time and then sold it to Shauna at a loss of 20%, what would have been Jill's profit per cent had she bought the laptop directly from 'Phoenix Digital' ?
(1) 8 (2) 12
(3) 18 (4) 15
(5) 10

59. An interest of Rs. 2160 is earned when Rs. 12000 is invested for two years at the rate of R% p.a. simple interest, what will be the interest earned after the same sum of money is invested at the rate of 'R + 3'% p.a. simple interest for two years ?
(1) Rs. 3040 (2) Rs. 2880
(3) Rs. 2480 (4) Rs. 3200
(5) Rs. 2860

60. A alone can finish a piece of work in 36 days. B is 20% more efficient than A. C is 50% more efficient than B. In how many days A and C working together can finish the same piece of work ? (in days)
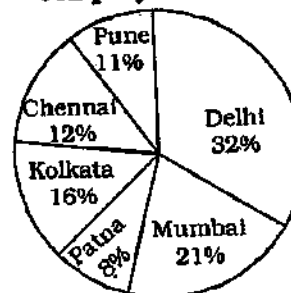
(1) $15\frac{4}{7}$ (2) $10\frac{6}{7}$

(3) $12\frac{6}{7}$ (4) $14\frac{4}{7}$

(5) None of these

Directions (61–65) : Study the following pie chart carefully to answer the questions :
PERCENTAGE BREAKUP OF EMPLOYEES OF COMPANY X ACROSS DIFFERENT CITIES
Total No. of Employees of Company X = 1800

Pune 11%, Chennai 12%, Kolkata 16%, Patna 8%, Mumbai 21%, Delhi 32%

61. If 25% of the total number of employees working in Delhi are females, how many employees working in Delhi are males ?
(1) 436 (2) 324
(3) 438 (4) 398
(5) None of these

62. If $\frac{2}{9}$th of the total number of employees working in Chennai were transferred to Patna, how many employees would there be in Patna ?
(1) 192 (2) 168
(3) 202 (4) 198
(5) None of these

63. Total number of employees working in Kolkata forms approximately what percent of the total number of employees working in Mumbai ?
(1) 76 (2) 82
(3) 69 (4) 85
(5) 58

64. Fill in the blank space in order to make the sentence correct as per the given information :

Total number of employees working in _____ is more than the total number of employees working in Pune and Chennai together.

(1) Mumbai

(2) Pune and Patna together

(3) Kolkata

(4) Delhi

(5) Patna and Chennai together

65. What is the respective ratio between the total number of employees working. Patna to the total number of employees working in Delhi ?

(1) 2 : 3   (2) 1 : 5

(3) 1 : 4   (4) 3 : 4

(5) None of these

REASONING ABILITY

Directions (66-68) : Study the given information carefully and answer the given questions :

A is the mother of B. B is the sister of C. D is the son of C. E is the brother of D. F is the mother of E. G is the granddaughter of A. H has only two children – B and C.

66. How is F related to H ?

(1) Son-in-law

(2) Daughter-in-law

(3) Father-in-law

(4) Grand daughter

(5) Cannot be determined

67. How is C related to E ?

(1) Father   (2) Son

(3) Mother

(4) Cousin brother

(5) Cannot be determined

68. Who is the mother of G ?

(1) C   (2) B

(3) F   (4) Either B or F

(5) Either C or F

Directions (69-73) : The following questions are based on five three digit numbers given below: .

417   758   236   843   625

69. '1' is added to all even digits in all the numbers, in which of the following numbers will the difference between the first and the third digits be more than five?

(1) 843   (2) 417

(3) 625   (4) 758

(5) 236

70. The positions of the first and the third digits of each of the numbers are interchanged. What will be the resultant if first digit of highest number thus formed is divided by the second digit of the lowest number thus formed?

(1) 3   (2) 1.5

(3) 2   (4) 1.2

(5) 1

71. If in each digit all the numbers are arranged in ascending order within the number, what will be the difference between the lowest and the highest numbers thus formed?

(1) 342   (2) 230

(3) 322   (4) 201

(5) 431

72. If '5' is added to the second digit of every odd number and '3' is subtracted from the third digit of every even number, in how many numbers thus formed will the third digit be greater than the second digit?

(1) Four   (2) None

(3) Three   (4) One

(5) Two

73. If all the numbers are arranged in ascending order from left to right, which of the following will be sum of all the three digits of the number which is second from the right?

(1) 13   (2) 20

(3) 21   (4) 12

(5) 15

74. Which of the following will come in the place of the question mark (?) in the following series based on the English alphabetical order ?

YS RM LH ? CA   .

(1) DG   (2) FD

(3) GD   (4) DF

(5) GC

75. How many such pairs of letters are there in the word NEUTRAL, each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series ?   .

(1) Two   (2) Three

(3) None   (4) One

(5) More than three

Directions (76-80) : Study the given information carefully and answer the given questions :

Eight people – A, B, C, D, E, F, G and H are sitting around a circular table facing the centre, not necessarily in the same order. Three people are sitting between A and D. B is sitting second to the right of A. C is to the immediate right of F. D is not an immediate neighbour of either F or E. H is not an immediate neighbour of B.

76. What is E's position with respect to G ?

(1) Third to the left

(2) Second to the right

(3) Third to the right

(4) Second to the left

(5) Fifth to the right

77. 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 one does not belong to the group ?

(1) GE   (2) DC

(3) AF   (4) AB

(5) CE

78. Who is sitting third to the right of the one who is sitting to the immediate right of H ?

(1) A   (2) B

(3) E   (4) C

(5) G

79. Which of the following is true regarding the given arrangement ?

(1) E is second to the left of C

(2) B is an immediate neighbour of G

(3) H is an immediate neighbour of A

(4) D is not an immediate neighbour of H

(5) None is true

80. How many people are sitting between H and A when counted from the right side of H ?

(1) Three   (2) None

(3) More than three

(4) One   (5) Two

Directions (81-85) : In each of the questions below, two statements are given followed by two conclusions numbered I and II. You

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

Give answer (1) if only conclusion I follows

Give answer (2) if only conclusion II follows

Give answer (3) if either I or II follows

Give answer (4) if neither I nor II follows

Give answer (5) if both I and II follow

81. Statements :
Some forms are cards.
Some forms are papers.
Conclusions :
I. Atleast some cards are forms.
II. Atleast some cards are papers.

82. Statements :
All animals are predators.
All predators are tigers.
Conclusions :
I. All tigers are definitely predators.
II. All animals are tigers.

83. Statements :
All squares are circles.
No circle is a triangle.
Conclusions :
I. No square is a triangle.
II. All circles are squares.

84. Statements :
All bricks are walls.
Some bricks are pillars.
Conclusions :
I. Some pillars are walls.
II. All pillars are walls.

85. Statements :
No place is a tank.
Some places are venues.
Conclusions :
I. Some venues are tanks.
II. All places are venues.

Directions (86-90) : Study the given information carefully and answer the given questions :

Seven plays -A, B, C, D, E, F and G - are to be held on seven consecutive days (starting on Monday and ending on Sunday) not necessarily in the same order. Only one

play can be held on one day. Only two plays will be held after play G. Only two plays will be held between play F and play G. Only three plays will be held between play B and play E. Play B will not be held on Sunday. Play A will be held before play D and play C (not necessarily immediately before). Play C will be held after play D (not necessarily immediately after).

86. Play D will be held on which day?
(1) Monday (2) Tuesday
(3) Wednesday
(4) Thursday
(5) Saturday

87. Which play will be held immediately after play C ?
(1) Play E (2) Play F
(3) Play B (4) Play G
(5) None of these

88. Which play will be held on Monday ?
(1) Play F (2) Play B
(3) Play E (4) Play D
(5) Play A

89. If all seven plays are held in the alphabetical order of their names starting on Monday and ending on Sunday, the positions of how many will remain unchanged as compared to the original schedule ?
(1) Three
(2) More than three
(3) One (4) None
(5) Two

90. Play F is related to Monday in a certain way based on the given schedule. Similarly, play G is related to Thursday. In the same way, play B is related to which of the following days ?
(1) Wednesday
(2) Friday (3) Tuesday
(4) Saturday (5) Sunday

Directions (91-95) : 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 II follows

Give answer (4) if neither Conclusion I nor II follows

Give answer (5) if both Conclusions I and II follow

91. Statements :
$N \geq O \geq P = Q > R$
Conclusions :
I. $N > R$
II. $R = N$

92. Statements :
$W \leq X < Y = Z > A; W < B$
Conclusions :
I. $B > Z$
II. $W < A$

93. Statements :
$H > I > J > K; L < M < K$
Conclusions :
I. $I > M$
II. $L < H$

94. Statements :
$C < D < E; D > F \geq G$
Conclusions :
I. $C \geq G$
II. $F > E$

95. Statements :
$R > S \geq T \geq U; V < T$
Conclusions :
I. $V \geq U$
II. $V < R$

Directions (96-100) : Study the following arrangement carefully and answer the questions given below :

A 4 * M 3 S 2 B V @ R J L 6 # D F H Z 7 % 5 E T C 8 $ G 9 U + N

96. How many such numbers are there in the given arrangement, each of which is immediately preceded by a letter and also immediately followed by a symbol?
(1) Three (2) Two
(3) None (4) One
(5) More than five

97. If all the symbols are deleted from the given arrangement then which of the following will be the tenth element from the right end?
(1) 7 (2) Z
(3) 5 (4) L
(5) J

98. Which one of the following will come next in the given sequence?

A*N 32+ @JU DH9 ?
(1) E%$
(2) ECG
(3) STG
(4) T5G
(5) T8$

99. Four of the following five are alike in a certain way based on their positions in the given arrangement and hence form a group. Which one does not belong to that group ?
(1) S3V
(2) LJD
(3) F7D
(4) 9GN
(5) TE$

100. In a certain code, based on the given arrangement, 'MAN' is coded as '**+' and 'LED' is coded as 'JC#'. How will 'TUB' be coded following the same coding pattern?
(1) E+S
(2) CGV
(3) EGZ
(4) EN2
(5) CNV

ANSWERS

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

EXPLANATIONS

1. (2) Have/has = to own, hold or possess something.

2. (4) Never = used to emphasize a negative statement instead of 'not'.
The sense of sentence is negative.

4. (2) of = belonging to somebody; relating to somebody; concerning something.

5. (4) Here, Passive of Present Perfect should be used. Here, subject (it) is singular.

7. (1) The word **Spill (Verb)** means : to flow over the edge of container by accident; to make liquid do this.
Look at the sentence :
Thousands of gallons of crude oil were spilled into the ocean.

8. (2) The correct spelling is : accident.

9. (2) The correct spelling is : distribute.

24. (5) The prime minister thought that the hunter must be either crazy or liar.

26. (2) **Rather (Adverb)** is used to introduce an idea that is different; fairly or to some degree; quite.

27. (1) The word **Release (Verb)** means : set somebody/something free; stop holding something.

28. (1) The word **Reverence (Noun)** means : a feeling of great respect or admiration for somebody/something.
Look at the sentence :
The poem conveys his deep reverence for nature.

29. (5) The word **Reluctant (Adjective)** means : hesitating before doing something; hesitant.
The word **Keen (Adjective)** means : wanting to do something; eager; enthusiastic.

30. (2) The word **Skilfully (Adverb)** means : professionally; doing well; deftly.
The word **Haphazardly (Adverb)** means : carelessly; with no particular order or plan; not organised well.

31. (5) ? = 415.25 − 627.10 + 958.65
= 1373.8 − 627.10 = 746.7

32. (3) ? = 34928 − 2591 − 14986
= 34928 − 17577 = 17351

33. (3) ? = 311 × 17 − 2482
= 5287 − 2482 = 2805

34. (3) ? = 12.5 × 6.7 × 4.2 = 351.75

35. (4) 4567.8 + 14 × 9.8
= 5038 − ?
⇒ 4567.8 + 137.2 = 5038 − ?
⇒ 4750 = 5038 − ?
⇒ ? = 5038 − 4705 = 333

36. (5) 51 × ? = 1632
⇒ $? = \dfrac{1632}{51} = 32$

37. (5) 4 × ? = 6924 ÷ 15
⇒ $? = \dfrac{6924}{15 \times 4} = 115.4$

38. (2) ? = 8888 − 4444 + 222
= 4666

39. (4) $? = \dfrac{468 \times 23}{100} = 107.64$

40. (1) $? = 6^3 \times 2^4 - 9^2$
= 216 × 16 − 81 = 3456 − 81
= 3375

41. (1) ? = 11.304 × (6.839 − 4.331)
= 11.304 × 2.508
≈ 11 × 2.5 ≈ 27.5
∴ Required answer = 30

42. (2) ? ≈ 61 × 25 ÷ 8 ≈ 190

43. (5) $? \approx (4)^2 \times 14 - 6$
≈ 224 − 6 ≈ 218
∴ Required answer = 200

44. (3) ? ≈ 15 ÷ 2 + 59
= 7.5 + 59 = 66.5
∴ Required answer = 68

45. (1) $? = \dfrac{3450}{10} \times 3 \approx 1035$
∴ Required answer = 1050

46. (2) Let each student get x sweets.
∴ 960 × x = 600 × (x + 3)
⇒ 960 x − 600 x
= 600 × 3 = 1800
⇒ 360 x = 1800
⇒ $x = \dfrac{1800}{360} = 5$

47. (4) The pattern is :
9 × 1 + 1² = 10
10 × 2 + 2² = 24
24 × 3 + 3² = 72 + 9 = 81
81 × 4 + 4² = 324 + 16 = 340
340 × 5 + 5² = 1700 + 25
= $\boxed{1725}$

48. (5) $CI = P\left[\left(1 + \dfrac{R}{100}\right)^T - 1\right]$

$= 9000\left[\left(1 + \dfrac{11}{100}\right)^2 - 1\right]$

$= 9000\,[(1.11)^2 - 1]]$

$= 9000 \times (1.2321 - 1)$

$= 9000 \times 0.2321 = $ Rs. 2088.9

49. (5) $50^2 = 2500$

$51^2 = 2601$

∴ Required number

$= 2601 - 2530 = 71$

50. (1) Let the number be x.

∴ $x \times \dfrac{7}{15} - \dfrac{x \times 20}{100} = 124$

$\Rightarrow \dfrac{7x}{15} - \dfrac{x}{5} = 124$

$\Rightarrow \dfrac{7x - 3x}{15} = 124$

$\Rightarrow \dfrac{4x}{15} = 124$

$\Rightarrow x = \dfrac{124 \times 15}{4} = 465$

∴ 40% of 465

$= \dfrac{465 \times 40}{100} = 186$

51. (3) Speed of train = 108 kmph

$= \left(108 \times \dfrac{5}{18}\right)$ m/second

$= 30$ m/second

If the length of train be x metre, then

Speed of train

$= \dfrac{\text{Length of train and platform}}{\text{Time taken}}$

$\Rightarrow 30 = \dfrac{x + 365}{21}$

$\Rightarrow 30 \times 21 = x + 365$

$\Rightarrow 630 = x + 365$

$\Rightarrow x = 630 - 365 = 265$ metre

52. (1) John's initial investment

= Rs. x.

Ira's initial investment

= Rs. $2x$

Ratio of the equivalent capitals

of Ira and John for 1 month

$= 2x \times 12 : (x \times 6 + 2x \times 6)$

$= 24x : 18x = 4 : 3$

Sum of the terms of ratio

$= 4 + 3 = 7$

∴ John's share

= Rs. $\left(\dfrac{3}{7} \times 8400\right)$

= Rs. 3600

53. (1) Breadth of the rectangular field = x metre

∴ Its length $= \dfrac{175x}{100}$ metre

$= \dfrac{7x}{4}$ metre

Perimeter of field

$= \dfrac{\text{Total expenditure}}{\text{Rate}}$

$= \left(\dfrac{220}{5}\right)$ metre = 44 metre

∴ $2\left(\dfrac{7x}{4} + x\right) = 44$

$\Rightarrow \dfrac{7x + 4x}{4} = \dfrac{44}{2} = 22$

$\Rightarrow 11x = 22 \times 4$

$\Rightarrow x = \dfrac{22 \times 4}{11} = 8$ metre

∴ Length

$= \dfrac{7x}{4} = \dfrac{7 \times 8}{4} = 14$ metre

∴ Required area

$= (14 \times 8)$ sq. metre

$= 112$ sq. metre

54. (5) Total votes polled

$= \dfrac{4080 \times 60}{100} = 2448$

∴ Votes got by winner

$= \dfrac{12}{12 + 5} \times 2448$

$= \dfrac{12}{17} \times 2448 = 1728$

55. (5) Let the principal be Rs. P.

∴ $A = P\left(1 + \dfrac{R}{100}\right)^T$

$\Rightarrow 2904 = P\left(1 + \dfrac{10}{100}\right)^2$

$\Rightarrow 2904 = P\left(\dfrac{11}{10}\right)^2$

$\Rightarrow P = \dfrac{2904 \times 10 \times 10}{11 \times 11}$

= Rs. 2400

Case II.

$A_1 = P\left(1 + \dfrac{R}{100}\right)^T$

$= 2400\left(1 + \dfrac{20}{100}\right)^2$

$= 2400\left(1 + \dfrac{1}{5}\right)^2$

$= 2400 \times \dfrac{6}{5} \times \dfrac{6}{5} = $ Rs. 3456

56. (4) Let rate downstream = x kmph

Rate upstream = y kmph

Distance = speed × time

∴ $x \times 4 - y \times 4 = 16$

$\Rightarrow x - y = \dfrac{16}{4} = 4$

∴ Speed of current

$= \dfrac{1}{2}(x - y) = \dfrac{4}{2}$ kmph

= 2 kmph

57. (1) Rupam's present age

= x years

∴ Princy's present age

= $2x$ years

4 years ago.

$\dfrac{2x - 4 + x - 4}{2} = 14$

$\Rightarrow 3x - 8 = 14 \times 2$

$\Rightarrow 3x = 28 + 8 = 36$

$\Rightarrow x = \dfrac{36}{3} = 12$ वर्ष

∴ Princy's age after 5 years

= $(2x + 5)$ years

= $(2 \times 12 + 5)$ years

= 29 years

58. (2) C.P. for Jill

$= \dfrac{x \times 140}{100} = $ Rs. $\dfrac{14x}{10}$

S.P. for Jill

$= \dfrac{14x}{10} \times \dfrac{80}{100} = $ Rs. $\dfrac{28x}{25}$

If C.P. for Jill be Rs. x, then

Profit $= \dfrac{28x}{25} - x = $ Rs. $\dfrac{3x}{25}$

∴ Profit%

$= \dfrac{3x}{25x} \times 100 = 12\%$

59. (2) Interest at the rate of R%

= Rs. 2160

Interest at the rate of (R + 3)%

= Rs. $\left(2160 + \dfrac{12000 \times 2 \times 3}{100}\right)$

= Rs. (2160 + 720)

= Rs. 2880

60. (3) Time taken by A = 36 days

B is 20% more efficient than A.

∴ Time taken by B

$= \dfrac{100}{120} \times 36 = 30$ days

Similarly,

Time taken by C

$= \dfrac{100}{150} \times 30 = 20$ days

∴ Work done by A and C in 1

day $= \dfrac{1}{36} + \dfrac{1}{20}$

$= \dfrac{5 + 9}{180} = \dfrac{14}{180} = \dfrac{7}{90}$

∴ Required time

$= \dfrac{90}{7} = 12\dfrac{6}{7}$ days

61. (5) Total number of employees working in Delhi

$= 1800 \times \dfrac{32}{100} = 576$

∴ Male employees

$= \dfrac{576 \times 75}{100} = 432$

62. (1) Total number of employees working in Chennai

$= \dfrac{1800 \times 12}{100} = 216$

Transferred employees

$= \dfrac{2}{9} \times 216 = 48$

Total employees in Patna

$= \dfrac{1800 \times 8}{100} + 48$

= 144 + 48 = 192

63. (1) Required percentage

$= \dfrac{16}{21} \times 100 = 76$

64. (4) Pune + Chennai = 11 + 12 = 23%

Delhi = 32%

65. (3) Required ratio = 8 : 32 = 1 : 4

(66–68) :

A is the mother of B and C.

B is the daughter of A.

C is the son of A.

F is the wife of C.

D and E are sons of C and F.

H is the father of B and C.

H is the husband of A.

66. (2) F is the daughter -in-law of H.

67. (1) C is the father of E.

68. (4) G is the granddaughter of A. Therefore, either B or F is the mother of G.

69. (1) 417 ⇒ 517

758 ⇒ 759

236 ⇒ 337

843 ⇒ 953

625 ⇒ 735

953 ⇒ 9 – 3 = 6

70. (3) 417 ⇒ 714

758 ⇒ 857

236 ⇒ 632

843 ⇒ 348

625 ⇒ 526

Highest number ⇒ 857

Its first digit ⇒ 8

Lowest number ⇒ 348

Its second digit ⇒ 4

Now, $\dfrac{8}{4} = 2$

71. (5) 417 ⇒ 147

758 ⇒ 578

236 ⇒ 236

843 ⇒ 348

625 ⇒ 256

Highest number ⇒ 578

Lowest number ⇒ 147

Required difference = 578 – 147

= 431

72. (4) $\boxed{417 \Rightarrow 467}$

758 ⇒ 755

236 ⇒ 233

843 ⇒ 893

625 ⇒ 675

73. (2) Ascending order of numbers:

236 < 417 < 625 < 758 < 843

The number which is second from the right ⇒ 758

Required sum ⇒ 7 + 5 + 8 = 20

74. (3)

$Y \xrightarrow{7} R \xrightarrow{6} L \xrightarrow{5} \boxed{G} \xrightarrow{4} C$

$S \xrightarrow{6} M \xrightarrow{5} H \xrightarrow{4} \boxed{D} \xrightarrow{3} A$

75. (2)

14	5	21	20	18	1	12
N	E	U	T	R	A	L
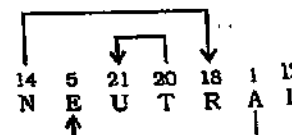
(76–80) :
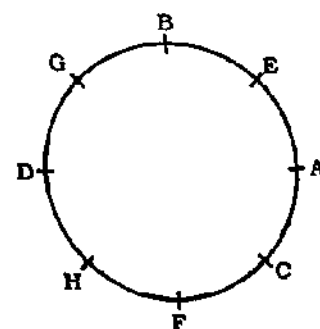
76. (4) E is second to the left of G.

77. (2) There ...

78. (3) F is si... ate right E is sitt... of F.

79. (2) E is s...

80. (5) Two ... sitting b

(81-85) :

(i) All anir... Univers

(ii) Some f... ticular

(iii) No cir... versal

(iv) Some ... → Pa... type].

81. (1) Bo... ticula... No C... the t... Con... the f...

82. (2) ...

83. (1)

84. (...

85. ...

77. (2) There are two persons between D and C while in all other pairs there is only one person between the two.

78. (3) F is sitting to the immediate right of H.
E is sitting third to the right of F.

79. (2) E is second to the right of C.

80. (5) Two people – F and C – are sitting between H and A.

(81-85) :

(i) All animals are predators → Universal Affirmative (A – type).

(ii) Some forms are cards → Particular Affirmative (I – type).

(iii) No circle is a triangle → Universal Negative (E – type).

(iv) Some circles are not triangles → Particular Negative (O – type).

81. (1) Both the Premises are Particular Affirmative (I-type).
No Conclusion follows from the two particular Premises.
Conclusion I is Converse of the first Premise.

82. (2) All animals are predators.

All predators are tigers.

A + A ⇒ A- type of Conclusion.
"All animals are tigers".
This is Conclusion II.

83. (1) All squares are circles.

No circle is a triangle.

A + E ⇒ E-type of Conclusion
"No square is a triangle".
This is Conclusion I.

84. (1) Some pillars are bricks.

All bricks are walls.

I + A ⇒ I-type of Conclusion.
"Some pillars are walls."
This is Conclusion I.

85. (4) Some venues are places.

No place is a tank.

I + E ⇒ O-type of Conclusion
"Some venues are not tanks."

(86-90) :

Day	Play
Monday	A
Tuesday	F
Wednesday	B
Thursday	D
Friday	G
Saturday	C
Sunday	E

86. (4) Play D will be held on Thursday.

87. (1) Play E will be held immediately after Play C.

88. (5) Play A will be held on Monday.

89. (5)

Day	Play	Alphabetical Order of Play
Monday	A	A
Tuesday	F	B
Wednesday	B	C
Thursday	D	D
Friday	G	E
Saturday	C	F
Sunday	E	G

90. (3) Play F will be held immediately after Monday, i.e., on Tuesday. Similarly, Play G will be held immediately after Thursday, i.e., on Friday. Play B will be held immediately after Tuesday, i.e. on Wednesday.

91. (1) $N \geq O \geq P = Q > R$
Conclusions :
I. $N > R$: True
II. $R = N$: Not True

92. (4) $B > W \leq X < Y = Z > A$
Conclusions :
I. $B > Z$: Not True
II. $W < A$: Not True

93. (5) $H > I > J > K > M > L$
Conclusions :
I. $I > M$: True
II. $L < H$: True

94. (4) $C < D < E$
$C < D > F \geq G, F < D < E$
Conclusions :
I. $C \geq G$: Not True
II. $F > E$: Not True
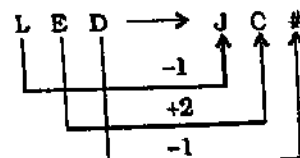
95. (2) $R > S \geq T \geq U$
$R > S \geq T > V$
$V < T \geq U$
Conclusions :
I. $V \geq U$: Not True
II. $V < R$: True

96. (5)

Letter	Number	Symbol

Such combinations are :

A 4 * ; L 6 # ; Z 7 % ;

C 8 $

97. (1) According to the question, the new sequence would be :

A 4 M 3 S 2 B V R J L 6 D F H Z **7** 5 E T C 8 G 9 U N

10th from the right end

98. (2)

A $\xrightarrow{+4}$ 3 $\xrightarrow{+5}$ @ $\xrightarrow{+6}$ D $\xrightarrow{+7}$ E

* $\xrightarrow{+4}$ 2 $\xrightarrow{+5}$ J $\xrightarrow{+6}$ H $\xrightarrow{+7}$ C

N $\xrightarrow{-1}$ + $\xrightarrow{-1}$ U $\xrightarrow{-1}$ 9 $\xrightarrow{-1}$ G

99. (3)

S $\xrightarrow{-1}$ 3 $\xrightarrow{+4}$ V

L $\xrightarrow{-1}$ J $\xrightarrow{+4}$ D

9 $\xrightarrow{-1}$ G $\xrightarrow{+4}$ N

T $\xrightarrow{-1}$ E $\xrightarrow{+4}$ $

But, F $\xrightarrow{+3}$ 7 $\xrightarrow{-4}$ D

100. (4) M A N ⟶ * * +
-1
$+2$
-1

L E D ⟶ J C #
-1
$+2$
-1

Therefore,

T U B ⟶ E N 2
-1
$+2$
-1