English Language

Directions (1 – 9): Read the given passage and answer the questions that follow.

Govind's father was a rich landlord, who was loved and respected by all his tenants. When he died, he left large tracts of land for Govind. But Govind did not spend a single day looking after his land. He had a funny idea that there existed a magic potion which, if poured on any object, would turn it into gold. He spent all his time trying to learn more about this potion. People took advantage of him and cheated him. His wife grew anxious. Given the amount of money Govind was spending, she was sure that they would soon be paupers. One day, a widely respected sage who had been to the Himalayas came to their town. Govind asked him about the potion. To his surprise, the sage answered, "I have learnt how to brew such a potion. But it is a difficult process." "Tell me!" insisted Govind, hardly able to believe his luck. "You have to collect the dew which settles on the leaves of a banana tree every morning during winter. There is a condition though. The tree should be planted and watered regularly with your own hands. Store the collected dew in an earthen vessel and when you have five litres, bring it to me. I will recite a sacred mantra to transform the dew into the potion. A drop of the potion will be sufficient to change any object into gold."

Govind was worried, "Winter is only for a few months in the year. It will take me years to collect the dew." "You can plant as many trees as you want," replied the sage. Govind went home and after talking to his wife, began clearing the large fields which had been lying vacant for years. He planted rows of banana saplings. He tended them with great care. His wife helped him too. She would take the banana crop to market and get a good price. Over the years Govind had five litres of dew. He went to the sage who smiled, uttered a mantra and sprinkled a few drops of dew on a copper vessel. To Govind's dismay, nothing happened. "You have cheated me!" he shouted at the sage.

The sage however smiled. Govind's wife then came forward with a box. The sage opened it and revealed stacks of gold coins inside. Turning to Govind he said, "You worked hard on your land and created a plantation. Your wife sold the produce in the market. It was your hard work which created this wealth, not magic. If I had told you this earlier, you would not have listened." Govind understood the wisdom behind the sage's words and worked even harder from that day on.

1. Why did Govind's father leave him large plots of land?
a) It was his way of instilling a sense of responsibility in his son.
b) Govind was his only son and sole heir.
c) To provide Govind with sufficient funds to pursue his interest of discovering a magic potion
d) He wanted Govind to continue to look after the tenants.
e) None of these

2. Which of the following can be said about the sage?
a) He was cunning and plotted with Govind's wife to harm him.
b) He had magical powers and the potion which turned objects into gold
c) He had a good sense of judgement
d) He did not deserve reverence
e) He was dishonest and deceived Govind to get the gold

3. Why was Govind's wife worried?
a) Govind had no knowledge of farming and could not cultivate the land he had inherited from his father.
b) Govind had no friends because he was obsessed with the potion which would turn anything into gold.
c) Govind was only interested in studying under different sages and neglected his family duties.
d) She feared that since Govind had devoted all his time and wealth to find the magic potion, they would soon become poor.
e) Govind's experiments to find a magic potion were dangerous.

4. Why did Govind's wife help him in the fields?
(A) To support her husband in his endeavour to find a magic potion
(B) The sage had advised her to help her husband succeed.
(C) He needed someone to help him collect the dew.
a) Only (B)
b) Only (A)
c) Both (A) and (B)
d) All (A), (B) and (C)
e) None of these

5. Why did Govind decide to cultivate a banana crop?
a) The soil of his land was suitable only for cultivating bananas.
b) It was the most highly priced commodity in the region.
c) It could be grown at any time of the year, including winter.
d) His wife pressurized him to do so.
e) The ingredient for the magic potion could only be obtained from a banana tree.

6. What made Govind angry with the sage?
a) The sage had conspired with Govind's wife against him.
b) He did not get the magic potion as promised by the sage.
c) He had lost a good deal of money in cultivating bananas.

d) The sage had made a fool of him in front of other villagers.
e) None of these

7. Which of the following is/are TRUE in the context of the passage?
(A) Govind was gullible and was fooled by people.
(B) Govind was hard-working by nature.
(C) The sage had never actually been to the Himalayas.
a) Only (A)
b) Both (A) and (B)
c) Only (C)
d) Both (A) and (C)
e) None of these

8. Choose the word which is most similar in meaning to the word printed in bold as used in the passage.
Spend
a) pay
b) bought
c) devote
d) settle
e) empty

9. Choose the word which is most similar in meaning to the word printed in bold as used in the passage.
Lying
a) sleeping
b) dishonest
c) relaxing
d) remaining
e) untruthful

10. Read the sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. Mark that part with error as your answer. If there is no error, mark (e).
a) In this society of ultra-conscious consumers,
b) successful brands will be these that
c) make consumers feel the way they
d) want to feel about themselves
e) No error

11. Read the sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be

in one part of the sentence. Mark that part with error as your answer. If there is no error, mark (e).

a) You might tell the truth

b) to your family

c) about your affair,

d) or you will get into trouble.

e) No error

12. Read the sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. Mark that part with error as your answer. If there is no error, mark (e).

a) Unlike the previous

b) generation, the generation today

c) is not mere concerned about

d) travelling the world.

e) No Error

13. Read the sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. Mark that part with error as your answer. If there is no error, mark (e).

a) Hamid was living

b) in Spain for three

c) years when his parents

d) came to meet him

e) No error.

14. Read the sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. Mark that part with error as your answer. If there is no error, mark (e).

a) At great length

b) that night they

c) discussed about the

d) feasibility of their plan

e) No error.

15. Read each sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. Mark the number of that part with error as your answer. If there is no error, mark (5).

a) Manasi took great

b) pain to get her

c) project completed on

d) time and got appreciated

e) No error

Directions (16 – 20): In the question below, a sentence is given, four words have been highlighted in bold. Find out if the words are contextually appropriate and correctly spelled. Only one word will be inappropriate or incorrectly spelled, mark that as your answer. If all are appropriate, mark "all are correct".

16. Thousands of homes were **distroyed**and, as the water finally pulled back after **several** days, over 400 kilometres of the **embankments** were **breached**.

a) distroyed

b) several

c) embankments

d) breached

e) All are correct

17. Each glacier is exceptionally **diverse**, each **fluctuating** in **multitudes** of complex ways to local, regional, and global environmental **dynamics**.

a) diverse

b) fluctuating

c) multitudes

d) dynamics

e) All are correct

18. This monsoon is **predicted** to weaken in the future, further **disrupting criticle**water supplies to farmers that **rely** on it.

a) predicted

b) disrupting

c) criticle

d) rely

e) All are correct

19. The trees of the hidden **orchard** have **remained productive** for more than a century without any such **insistence**.

a) orchard

b) remained

c) productive

d) insistence

e) All are correct

20. We only **require** very small **quantities** of vitamins, and these come almost **exclusevely**from the foods we **consume**.
a) require
b) quantities
c) exclusevely
d) consume
e) All are correct

Directions (21 – 25): In the following questions a paragraph is given with two blanks. The paragraph is then provided with five options which consist of the words that can fill the given blanks. Choose that option as your answer which can fill the given blanks in the exact order as given in the option. If none of the given options fills the given blanks then choose option (E), 'None of these' as your answer.

21. The hope seems to be that these measures combined with a looser monetary policy _____ adopted by the RBI will boost spending and _____ growth.
a) rules, allocate
b) stance, revive
c) expansion, attribute
d) turbulence, yearn
e) None of these

22. As income levels and consequently, savings in rural areas increase, it is _____ to help earners manage their funds and _____ incoming and outgoing payments.
a) affirming, satisfy
b) appreciable, envy
c) essential, facilitate
d) dull, fanaticize
e) None of these

23. For the first two decades after the _____ of the Soviet Union, Ukraine was one of the most poorly governed of the _____ states.
a) rebate, abundant
b) collapse, successor
c) deduction, untidy
d) brotherhood, urging
e) None of these

24. Digital data and technology must be fully _____ into national health systems, and should become as _____ as hospital beds.
a) amalgamated, equipped
b) forced, coloured
c) anxious, important
d) integrated, essential
e) None of these

25. The world is just beginning to _____ the potential of digitally _____ data to improve health.
a) weaken, beaten
b) recognize, enhanced
c) fortunate, challenged
d) ripen, experienced
e) None of these

Directions (26 – 30): 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.

Driving a bus in Bengaluru traffic is a challenge even for the most experienced drivers, and a nightmare for __(A)__. So the Karnataka State Road Transport Corporation (KSRTC) is __(B)__ virtual reality to give new entrants a feel of what is in store, using a ₹2 crore simulator. The Australia-made machine hums with activity at the transport corporation's training centre at Malavalli. It flashes images of vehicle swarms through which drivers must __(C)__. The experience is available also to those aspiring for licences to drive cars and other light vehicles. The motion-based simulator gives a feel of tough terrain, hills, narrow roads and, of course, Bengaluru's __(D)__ traffic in different weather conditions. One route is Silk Board to Majestic, the transport hub. There are other sections too, such as Bengaluru to Tumakuru highway, Hubballi to Annigeri, Kakinje to Kottigehara, Shivamogga to Thirthahalli, and Sirsi to Kumta. Of 177 students __(E)__ for its month-long course, four are women: two are training for a light motor vehicle licence and two others for heavy vehicle licence.

26. Which of the following words most appropriately fits the blank labelled (A)?
a) freebies
b) newbies
c) news
d) immature
e) None of these

27. Which of the following words most appropriately fits the blank labelled (B)?
a) employing
b) deploying
c) plotting
d) planking
e) None of these

28. Which of the following words most appropriately fits the blank labelled (C)?
a) vacate
b) relegate
c) surrogate
d) navigate
e) None of these

29. Which of the following words most appropriately fits the blank labelled (D)?
a) notorious
b) preposterous
c) insidious
d) fastidious
e) None of these

30. Which of the following words most appropriately fits the blank labelled (E)?
a) enfold
b) engulf
c) enrolled
d) untold
e) None of these

Quantitative Aptitude

Directions (31 – 35): Study the following information and answer the questions given below:

A survey of 324 people was conducted. Each person liked one or more of 3 types of music: Rock, Pop and Classical. 99 people liked all three. The ratio of the number of people who liked only Rock to those who liked only Pop is 4:5. 36 people like only Classical. 144 people liked exactly one type of music. 123 people likes only both Pop and Classical music. 210 people liked Pop music. 180 people liked at least 2 types of music.

31. How many people liked Rock music?
a) 210
b) 204
c) 198
d) 190
e) 215

32. What percentage of people liked Classical music?
a) 72(2/3)%
b) 48(2/3)%
c) 55(1/3)%
d) 58(1/3)%
e) 66(2/3)%

33. What is the ratio of the number of people who liked both Rock and Pop music but not Classical music to the number of people who liked all three?
a) 3:11
b) 3:10
c) 2:11
d) 2:7
e) 4:7

34. What is the ratio of the difference between the number of people who liked only Rock and only Classical music to the number of people who liked only Pop music?
a) 2:9
b) 2:7
c) 1:4
d) 1:5
e) 3:10

35. How many people liked both Rock and Classical music?
a) 115
b) 121
c) 135
d) 129
e) 142

Directions (36 – 40): What will come in place of the question mark (?) in the following series?

36. 32, 41, 66, 115, ?, 317
a) 196
b) 198
c) 200
d) 202
e) 204

37. 7, 23, 55, ?, 167, 247
a) 99
b) 103
c) 111
d) 115
e) 119

38. 23, 12, 13, 21, 44, ?
a) 84.5
b) 94
c) 112.5
d) 116
e) 124.5

39. 15, 26, 47, ?, 119, 170
a) 63
b) 68
c) 73
d) 78
e) 83

40. 280, 295, 325, 370, 430, ?
a) 515
b) 525
c) 505
d) 490
e) 520

Directions (41 – 50): What will come in place of the question marks (?) in the following questions?

41. $\sqrt{625} + \sqrt{484} = ?$
a) 47
b) 56
c) 37
d) 49
e) 48

42. $5 \times ? = 8042 \div 4$
a) 296.1
b) 5433.6
c) 1052.5
d) 402.1
e) 305.5

43. $[(452 \div 4) + 62] \div 5 = ?$
a) 48
b) 37
c) 45
d) 35
e) None of these

44. $(4.7 \times 12 \times 8) + (6.8 \times 16 \times 10) = ?$
a) 1533.9
b) 1539.2
c) 1532.9
d) 1536.9
e) 2315.5

45. $-17 - 94 - 22 - 39 + 627 = ?$
a) 454
b) 455
c) 458
d) 451
e) None of these

46. $1\dfrac{4}{5} + 3\dfrac{2}{5} + 2\dfrac{2}{3} = ?$
a) $7\dfrac{14}{15}$
b) $6\dfrac{13}{15}$
c) $13\dfrac{7}{15}$
d) $3\dfrac{14}{15}$
e) None of these

47. 32% of 150 × 53% of ? = 7632

a) 480

b) 324

c) 300

d) 298

e) None of these

48. $7^2 + 3^4 - 4^3 = ? - 11^2$

a) 55

b) 196

c) 172

d) 187

e) None of these

49. $(63)^2 \div (?)^2 + 9 = 58$

a) 81

b) 6

c) 9

d) 36

e) 7

50. $(16)^3 \times 4^3 \div 1024 = (4)^?$

a) 3

b) 4

c) 5

d) 6

e) None of these

51. Of three numbers, second is thrice the first while third is six times the second. If their average is 66. A new number 4 more than the average of other 3 is included then Find average of first and fourth number.

a) 38.5

b) 38

c) 39

d) 39.5

e) 40

52. An article when sold at 4/5 of its original selling price, gives a profit of 20%. Find the profit % when the same article is sold at its actual selling price.

a) 15 %

b) 20 %

c) 25%

d) 22 %

e) None of these

53. Two dice are thrown simultaneously. What is the probability of getting prime numbers on both and sum of numbers on both dice is not divisible by 2?

a) 1/12

b) 1/18

c) 1/9

d) 1/6

e) None of these

54. How many 4 digit numbers can be made from digits 1,2,3,4,5,6,7 such that each no. is divisible by 2 and no digit repeats?

a) 720

b) 120

c) 480

d) 360

e) None of these

55. A metro train A starts from Kahsmere Gate at 6:00 AM to reach IffcoChowk at 7:00 AM while another train B starts from IffcoChowk at 6:20 AM to reach Kashmere Gate at 7:00 AM. At what time both trains will meet each other if distance between stations is 24 km.

a) 6:32 AM

b) 6:36 AM

c) 6:40 AM

d) 6:28 AM

e) 6:30 AM

Directions (56 – 60): Given table shows the data of students of a class related to results of Half-yearly and Annual examination. Study the data carefully and answer the questions.

	Section A	Section B	Section C
Students who have failed in both	10	15	20
Students who have passed Half-yearly	30	30	35
Students who have passed Annual	40	25	30
Students who have passed in both	20	20	25

56. How many students are there in Section B of class?

a) 50

b) 60

c) 90

d) 100

e) 110

57. Students passed in both exams in all sections are what percent more/less than students failed in both exams in all sections?

a) 44 10/13%

b) 30 10/13%

c) 40%

d) 44 4/9%

e) 40 4/9%

58. what is average of students who passed in atleast one examination in all sections together?

a) 39.67

b) 40.67

c) 41.67

d) 42.67

e) 43.67

59. Students failed in both exams in section C are what percent of total students in section C? (in %)

a) 30

b) 20

c) 18

d) 25

e) 33.33

60. Which sections have equal number of students?

a) section A & B

b) section A & C

c) section B & C

d) all have same no.of students

e) none

Directions (61 – 63): In the question, two equations I and II are given. You have to solve both the equations to establish the correct relation between x and y and choose the correct option.

61. I. $x^2 + 17x + 72 = 0$

II. $y^2 + 15y + 56 = 0$

a) x> y

b) x< y

c) x = y or the relationship cannot be established

d) x ≥ y

e) x ≤ y

62. I. 7x + 5y = 62

II. 11x – 7y = 38

a) x> y

b) x< y

c) x = y or the relationship cannot be established

d) x ≥ y

e) x ≤ y

63. I. $3x^2 – 17x + 24 = 0$

II. $2y^2 = y + 15$

a) x> y

b) x< y

c) x = y or the relationship cannot be established

d) x ≥ y

e) x ≤ y

64. A boat takes twice as much time to row upstream as to row downstream for a same distance. If the speed of the stream is 6 km/h, then find the time taken by it to row 108 km downstream.

a) 4 hours

b) 4 hour 30 minutes

c) 5 hours

d) 5 hour 30 minutes

e) None of these

65. A certain amount of money is distributed among Gaurav, Monika and Ashwani in the ratio 8:11:15, respectively. If 60% of the amount received by Gaurav is Rs. 288 less than 40% of the amount received by Ashwani, then find the amount received by Monika.

a) Rs. 1,560

b) Rs. 1,920

c) Rs. 2,420

d) Rs. 2,640

e) None of these

Reasoning Ability

Directions (66 – 70): Study the following data carefully and answer the questions accordingly.

Eight people A, B, C, D, E, F, G, and T are sitting around a square table. Four of them are sitting at the corners facing inside and four of them are sitting at the edges facing outside. F sits third to the left of E, who is not an immediate neighbour of T. Two people are sitting between C and T. G and B are sitting opposite to each

other. D is not sitting at the corner and not near to G. T sits third to the right of G.

66. How many persons are sitting between C and F?
a) Cannot be determined
b) Two
c) Three
d) One
e) Four

67. Who sits exactly between D and T?
a) A
b) E
c) F
d) B
e) Can't be determined

68. Who sits to the immediate right of A?
a) C
b) T
c) G
d) F
e) None of these

69. Find the odd one from the following.
a) T
b) D
c) A
d) C
e) E

70. Find the correct statement from the following.
a) F and E sit opposite to each other
b) C is sitting at the corner
c) G is not sitting at the corner
d) A and T are immediate neighbors
e) None is correct

Directions (71 – 75): Study the following sequence and answer the given questions.

B @ 9 # C 1 £ 2 8 D µ 7 K 5 L E % U & F € M G 4 ! 3 Z ? 6 X ¥ P 5 A © 6

71. Which of the following element is sixth to the left of the eighth element from the right end of the given arrangement?
a) G
b) 4

c) M
d) 3
e) None of these

72. How many such letters are there in the given series which are immediately preceded by a symbol but not immediately followed by a number?
a) Two
b) Four
c) None
d) Three
e) More than four

73. If all the letters are dropped in the given series, which element will be eleventh from the right end?
a) U
b) F
c) &
d) M
e) None of these

74. Which of the following is odd one out?
a) B#£
b) 2µK
c) 5%&
d) FG!
e) 6PA

75. How many such symbols are there in the given series which are immediately preceded by a vowel and immediately followed by a number?
a) None
b) One
c) Two
d) Three
e) More than three

Directions (76 – 80): In the question, relationship between some elements is shown in the statements (s). These statements are followed by two conclusions. Read the statements and give answer.

76. Statements: $A = C < E \le D < F; G \ge T > F$
Conclusions:
I. $G > E$
II. $T \ge C$
a) Only conclusion I is true

b) Only conclusion II is true

c) Either conclusion I or II is true

d) Neither conclusion I nor II is true

e) Both conclusions I and II are true

77. **Statements:** $G = K < I \geq J; I < F < X; F < L \leq M = Y$

Conclusions:

I. $X > G$

II. $Y > J$

a) Only conclusion I is true

b) Only conclusion II is true

c) Either conclusion I or II is true

d) Neither conclusion I nor II is true

e) Both conclusions I and II are true

78. Statements:

$F \geq H, A \leq C, G \geq H, H > C$

Conclusions:

I. $G > H$

II. $G > C$

a) if only conclusion I is true

b) if only conclusion II is true

c) if either conclusion I or conclusion II is true

d) if neither conclusion I nor conclusion II is true

e) if both conclusions I and II are true

79. Statements:

$J \leq K, S > D < T, E \geq S, E = G$

Conclusions:

I. $D < E$

II. $S < G$

a) if only conclusion I is true

b) if only conclusion II is true

c) if either conclusion I or conclusion II is true

d) if neither conclusion I nor conclusion II is true

e) if both conclusions I and II are true

80. Statements:

$T \geq M, M < K, C = K, P < M$

Conclusions:

I. $P < C$

II. $P < T$

a) if only conclusion I is true

b) if only conclusion II is true

c) if either conclusion I or conclusion II is true

d) if neither conclusion I nor conclusion II is true

e) if both conclusions I and II are true

Directions (81 – 85): Study the following information carefully and answer the questions given below:

Seven students A, B, C, D, E, F and G takes admission in a study course in IG Academy but not necessarily in the same order . They take admissions in seven different months i.e. January, March, April, July, August, October and November of the same year. Two students take admission between B and E. B takes admission before E. F take admission in one of the month after D. A takes admission in April. Only one student takes admission between A and D. C takes admission before D and after B. G does not take admission in November.

81. Which of the following is not true?

a) B takes admission in January

b) E takes admission immediately after A

c) Three persons take admission after D

d) Both (a) and (b) are not true

e) All are not true

82. Which of the following combination is true?

a) B-January

b) C-November

c) D-October

d) E-August

e) F-March

83. Who takes admission in August?

a) B

b) C

c) D

d) E

e) None of these

84. How many persons take admission between B and F?

a) Three

b) Two

c) None

d) One

e) More than three

85. E takes admission in which of the following months?

a) January

b) April

c) July

d) October

e) None of these

Directions (86 – 88): Study the following information carefully and answer the questions given below:

Point P is 7m north of point R which is 21m east of point Q. Point L is 7m south of point J which is 21m west of point N. Point N is 14m north of point Q. Point S is 28m east of point L. M is the midpoint between N and Q.

86. How far and in which direction is point S with respect to point M?

a) 7m, west

b) 7m, east

c) 14m, east

d) 14m, west

e) None of these

87. Point J is in which direction with respect to point Q?

a) North

b) North-west

c) North-east

d) South

e) South-west

88. If B is 7m south of S, then what is the shortest distance between the point B and point R?

a) 14m

b) 35m

c) 21m

d) 28m

e) 7m

Directions (89 – 90): Study the following information carefully and answer the questions given below

In a family there are seven persons and four generations. A is married to the only daughter of D who is the only son of Q. E is the brother-in-law of A who has only one child. C is the grandson of M who is the mother of A. D has only two children. Q is a female member of the family. B is one of the members of the family. A has no siblings.

89. If E is married to L, how is D related to L?

a) Daughter-in-law

b) Mother-in-law

c) Father-in-law

d) Mother

e) Son-in-law

90. How many male members are there in the family?

a) Three

b) Four

c) Five

d) Two

e) More than five

91. Six students A through F scored different marks in a test. B scored more than E but less than D. A scored higher marks than at least two persons. E scored more than A. If F scores 45 marks, what can be the possible marks of C?

a) 40

b) 50

c) 36

d) 47

e) Cannot be determined

92. Which of the following letter will be 6th letter from the left end if the letters at even positions are replaced by preceding letter according to alphabetical series in the word "DESTRUCTION" such that from left end "D" is at odd position and "E" is at even position and so on?

a) N

b) S

c) T

d) I

e) None of these

93. How many such pairs of letters are there in the word 'Saturation' each of which has as many letters between them in the word as in the English alphabet (Both forward and backward)?

a) Nil

b) One

c) Two

d) Three

e) None of these

94. In a certain code language, GLAD is coded as KICC and FIVE is coded as JFXD. How will TROY be coded as in the same code language?

a) SPXX

b) YPRW

c) XOQX

d) YOQV

e) XPRW

95. Which of the following will be next element of the given series?

ACEGIBDFHJCEGIKDFHJ_

a) E

b) M

c) K

d) L

e) None of these

Directions (96 – 100): Study the following information and answer the questions given below:

Seven persons - I, J, K, L, M, N and O bought different items one after another not necessarily in the same order. Four persons bought between K and I. M bought immediately before I. Two persons bought between J and M. O bought immediately after L. Two persons bought between L and N.

96. Who among the following bought immediately before J?

a) N

b) K

c) O

d) I

e) M

97. How many persons bought between N and O?

a) None

b) One

c) Two

d) Three

e) More than three

98. Number of persons who bought between N and L is same as that who bought between L and ___.

a) M

b) O

c) I

d) K

e) J

99. Who among the following bought after O?

a) M

b) K

c) N

d) J

e) L

100. Which of the following combination(s) is/are true?

a) Two persons bought between K and M

b) J was bought immediately before O

c) More than three persons bought between K and I

d) Both (a) and (b)

e) Both (b) and (c)

Solution and Explanation

English Language

1. Answer: E)

Govind's father left large tracts of land for him after death but the reason has neither been mentioned nor can be inferred from the information in the passage.

2. Answer: C)

The sage showed great sense of judgement as he observed the character traits of Govind and realised that the best way to make him see his fault is to ensure that he realises it himself; no external persuasion would deter him from his unrealistic quest. Thus, option C is the most accurate response.

3. Answer: D)

Govind's wife was worried because Govind was spending all their wealth on the mindless quest for the magic potion and she knew that at this pace they are soon to become poor. So, option D is the correct response.

4. Answer: E)

Govind'swife helped him by taking the banana crop to market and get a good price.

As it is not mentioned in any of the options, thus option E is the correct response.

5. Answer: E)

The sage told Govind that the ingredient for the magic potion could only be obtained from a banana tree due to which Govind started to cultivate banana.

6. Answer: B)

Govind had put in a lot of hard work for collecting the asked amount of dew over the years. He expected the sage to give him the magic potion in return, but as this did not happen, Govind felt cheated and thus got angry.

7. Answer: A)

It has been mentioned in the passage that Govind was fooled by the villagers while he was in his mindless quest for the magic potion. The sage also in a way fooled Govind by saying that he'll give him the magic potion in return of the dew.

Though Govind works hard in the greed of obtaining the potion, we are told at the beginning of the story that he did not look after his land and tried to look for shortcuts to obtain wealth. So, it cannot be concluded that he was hard- working.

8. Answer: C)

The meaning of the word spend (Verb) as used in the passage is : to use time for a particular purpose.

Look at the sentence :

He spent the week – end in Paris.

How long do you spend on your homework?

Of the given alternatives, the word Devote (Verb) means: to give most of your time, energy, attention etc, to somebody/ something.

Look at the sentence :

I could only devote four hours a day to the work.

Hence, the words spend and devote are synonymous.

9. Answer: D)

The meaning of the word Lie (Verb) as used in the passage is: (of a thing) to be or remain in a particular position or state.

Look at the sentence :

Clothes were lying all over the floor.

Snow was lying thick on the ground.

Hence, the words lying and remaining are synonymous.

10. Answer: B)

The error is in (B). The use of 'these' is incorrect; 'these' is a relative pronoun, which is used to refer to nouns mentioned previously in the sentence (which is not the case here). The demonstrative pronoun 'those', which is used to introduce someone (also used to show proximity) should be used here.

11. Answer: A)

Modal auxiliary verbs and verb phrases are used to indicate that something is necessary. The modal 'might' is used when we talk about uncertainty. Here in the sentence refers to an advisability with threat or bad result so we will use' had better' in place of 'might'. Hence, (a) is the right answer.

12. Answer: C)

Since 'concerned' is an adjective, we need an adverb ('merely') to qualify/modify it. Hence, (c) is the right answer.

13. Answer: A)

Since the sentence talks about an action that started in the past and went on till another action interrupted it, we need to use past perfect continuous tense in part 1. So 'was' should be replaced by 'had been'. Hence, (a) is the right answer.

14. Answer: C)

The correct phrase in the sentence should be 'discussed the feasibility' as "discuss about" is grammatically wrong. Hence, (c) is the right answer.

15. Answer: B)

The correct expression when we want to show that a person had done lot of hard work is "taking pains" and not "taking pain". Thus 2nd part is wrong.

16. Answer: A)

The sentence tells us how thousands of homes were destroyed and when the water receded after several (many) days, over 400 km of the embankments (dykes) were breached (flooded). The correct spelling of the word is DESTROYED. Thus, (a) is the right answer.

17. Answer: E)

The sentence tells us how each glacier is diverse (different) and fluctuates (changes) in multitudes of ways (numerous ways) to local, regional and global environmental dynamics (properties). All the words are contextually apt and correctly spelled. Thus, (e) is the right answer.

18. Answer: C)

The sentence talks about how the monsoon is predicted (expected) to weaken in the future, which would disrupt (hamper) important water supplies to farmers who rely (depend) on it. C is incorrectly spelled. The correct spelling is CRITICAL. Thus, (c) is the right answer.

19. Answer: D)

The sentence tells us how the trees of this orchard (fruit farm) have remained (still are) productive (giving yield) for more than a century without any external aids. INSISTENCE is contextually incorrect as it means demands. ASSISTANCE means aid or help and would have been more suitable here. Thus, (d) is the right answer.

20. Answer: C)

The sentence talks about how we only require (need) very small quantities (amounts) of vitamins and these come only from the foods that we consume (eat). C is incorrectly spelled. The correct spelling of the word is EXCLUSIVELY. Thus, (c) is the right answer.

21. Answer: B)

From the given statement, we can infer that it mentions the standpoint of RBI which is evident in its monetary policy aims to increase spending and growth. Here, 'spending' has been qualified by boosting, similarly in the second blank, we will need to qualify growth.

Among the given words, 'expansion' and 'turbulence' cannot indicate the central bank's standpoint. Further, in the second blank 'allocate growth' will be contextually incorrect. Therefore, between 'allocate' and 'revive' we will opt for 'revive' to fill in the second blank. Hence, option (b) is the most suitable answer choice.

Stance: the attitude of a person or organization towards something; a standpoint.

Revive: give new strength or energy to.

Yearn: have an intense feeling of longing for something, typically something that one has lost or been separated from.

Turbulence: violent or unsteady movement of air or water, or of some other fluid.

22. Answer: C)

The above statement mentions that as the income level rise, which give a boost to savings, it is important that the earners must be encouraged to manage their funds and in turn give a boost to payments. Among the given words, 'essential' which indicates the importance of helping earners and in the second blank, 'facilitate' which indicates magnifying the payments is the most suitable answer choice.

Essential: absolutely necessary; extremely important

Facilitate: make (an action or process) easy or easier.

Affirming: state emphatically or publicly.

Appreciable: large or important enough to be noticed.

Fanaticize: cause to become fanatical.

23. Answer: B)

The statement discusses that after the break up of Soviet Union, Ukraine was one of the poorly governed states that broke from SU. Here, among the given options, only 'collapse' fits in contextually in the given blank. In the second blank, we can fit in 'successor', as it will indicate that the state emerged after the break up of SU. Hence, option (b) is the most suitable answer choice.

Collapse: suddenly fall down or give way.

Rebate: a deduction or discount on a sum of money due

Abundant: existing or available in large quantities; plentiful.

Urging: the action of urging someone to do something.

24. Answer: D)

Here, 'anxious' does not fit in grammatically and contextually and will therefore we will omit option (c). Also, among the remaining options, given for the second blank, only 'essential' fits in the second blank. Hence, option (d) is the most suitable answer choice.

25. Answer: B)

Among the given words for the first blank, only 'fortunate' does not fit in grammatically and contextually. The second blank will be filled in with the verb that could indicate digitally assisted/ improved data. Here, only 'enhanced' can fit in the second blank to give a contextually meaningful and grammatically correct statement. Hence, option (b) is the most suitable answer choice.

Recognize: identify from knowledge of appearance or character

Enhanced: intensify, increase, or further improve the quality, value, or extent of.

26. Answer: B)

The correct word here is "**newbies**." It means "an inexperienced newcomer to a particular activity." So option 2 is correct.

freebies: a thing that is provided or given free of charge.

news: newly received or noteworthy information, especially about recent events.

immature: not fully developed.

27. Answer: B)

The correct answer here is "**deploying**" which means "bring into effective action." We use words like "employ" with people So option 2 is correct.

employing: give work to (someone) and pay them for it.

plotting: secretly make plans to carry out (an illegal or harmful action).

planking: planks collectively, especially when used for flooring or as part of a boat.

28. Answer: D)

The correct word here is "**navigate**." It means "plan and direct the course of a ship, aircraft, or other form of transport, especially by using instruments or maps." So option 4 is correct.

vacate: leave (a place that one previously occupied).

relegate: assign an inferior rank or position to.

surrogate: a substitute, especially a person deputizing for another in a specific role or office.

29. Answer: A)

Notorious means "famous or well known, typically for some bad quality or deed." Traffic is definitely not a good quality. So option 1 is correct.

preposterous: contrary to reason or common sense; utterly absurd or ridiculous.

insidious: proceeding in a gradual, subtle way, but with very harmful effects.

fastidious: very attentive to and concerned about accuracy and detail.

30. Answer: C)

The correct word here is "**enrolled**." It means "officially register as a member of an institution or a student on a course." The other words don't fit in the context. So option 3 is the correct answer.

enfold: surround; envelop.

engulf: (of a natural force) sweep over (something) so as to surround or cover it completely.

untold: too much or too many to be counted or measured.

Quantitative Aptitude

(31 – 35): Common Explanation:

Let the number of people who liked only Rock and those who liked only Pop be 4k and 5k respectively.

So, 4k + 5k + 36 = 144

k = 12

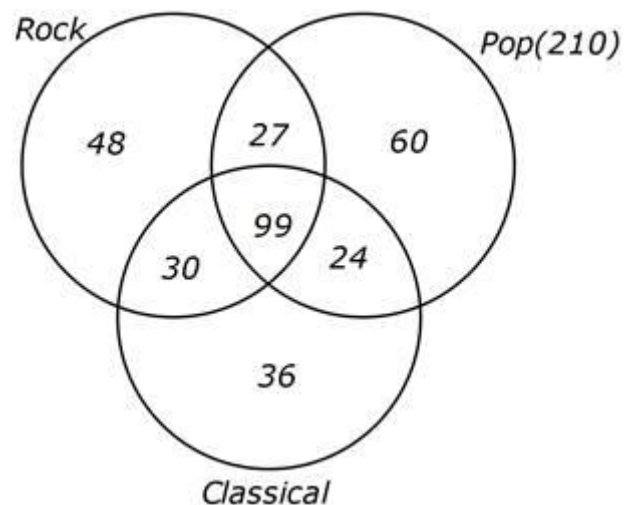Number of people who liked both Pop and Classical music but not Rock music

= 123 - 99 = 24

Number of people who liked both Rock and Pop music but not Classical music

= 210 - 60 - 123 = 27

Number of people who liked both Rock and Classical music but not Pop music

= 180 - 123 - 27 = 30

Drawing the Venn-diagram:

31. Answer: B)

Number of people who liked Rock music

= 48 + 27 + 99 + 30 = 204

32. Answer: D)

Number of people who liked Classical music

= 30 + 99 + 24 + 36 = 189

Required percentage = (189/324)*100% = 58(1/3)%

33. Answer: A)

Required ratio = 27:99 = 3:11

34. Answer: D)

Required ratio = (48 - 36) : 60 = 1:5

35. Answer: D)

Number of people who liked both Rock and Classical music = 30 + 99 = 129

36. Answer: A)

$32 + 3^2 = 41$

$41 + 5^2 = 66$

$66 + 7^2 = 115$

$115 + 9^2 = 196$

$196 + 11^2 = 317$

37. Answer: B)

$7 + 8 \times 2 = 23$

$23 + 8 \times 4 = 55$

$55 + 8 \times 6 = 103$

$103 + 8 \times 8 = 167$

$167 + 8 \times 10 = 247$

38. Answer: C)

$23 \times 0.5 + 0.5 = 12$

$12 \times 1 + 1 = 13$

$13 \times 1.5 + 1.5 = 21$

$21 \times 2 + 2 = 44$

$44 \times 2.5 + 2.5 = 112.5$

39. Answer: D)

$15 + 11 = 26$

$26 + 21 = 47$

$47 + 31 = 78$

$78 + 41 = 119$

$119 + 51 = 170$

40. Answer: C)
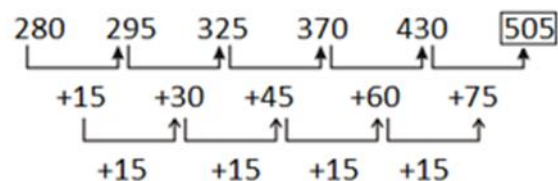
41. Answer: A)

$$\sqrt{625} + \sqrt{484} = ?$$

$=25+22=47$

42. Answer: D)

$5 \times ? = 8042 \div 4$

$?=8042/20$

$?=402.1$

43. Answer: D)

$[(452 \div 4) + 62] \div 5 = (113 + 62) \div 5 = 175 \div 5 = 35$

44. Answer: B)

$(4.7 \times 12 \times 8) + (6.8 \times 16 \times 10) = 451.2 + 1088 = 1539.2$

45. Answer: B)

$-17 - 94 - 22 - 39 + 627 = -172 + 627 = 455$

46. Answer: E)

$$1 + \frac{4}{5} + 3 + \frac{2}{5} + 2 + \frac{2}{3}$$

$$= 6 + \frac{28}{15}$$

$$= 6 + 1\frac{13}{15} = 7\frac{13}{15}$$

47. Answer: C)

$$\frac{32}{100} \times 150 \times \frac{53}{100} \times ? = 7632$$

$$? = \frac{7632 \times 100 \times 100}{150 \times 32 \times 53}$$

$$? = \frac{144 \times 2 \times 25}{3 \times 8}$$

$$? = 6 \times 2 \times 25$$

$$? = 300$$

48. Answer: D)

$7^2 + 3^4 - 4^3 = ? - 11^2$

$49 + 81 - 64 = ? - 121$

$130 - 64 = ? - 121$

$66 = ? - 121$

$? = 66 + 121$

$? = 187$

49. Answer: C)

$(63)^2 \div ?^2 = 58 - 9 = 49$

$(63)^2 \div 49 = ?^2$

$$\Rightarrow ? = \sqrt{63 \times 63 \div 49} = 63 \div 7 = 9$$

50. Answer: B)

$$\frac{16 \times 16 \times 16 \times 4 \times 4 \times 4}{1024} = (4)^?$$

$4 \times 4 \times 4 \times 4 = (4)^?$

$\therefore ? = 4$

51. Answer: D)

let numbers be a,b,c,d
ATQ, $b = 3a$; $c = 6b$
$a : b : c = 1 : 3 : 18$ or $x : 3x : 18x$
$\frac{a + b + c}{3} = 66$
$x = 9$
$d = 4 + 66 = 70$
Required average $= \frac{a+d}{2} = \frac{9+70}{2} = 39.5$

52. Answer: E)

let actual SP be Rs. x
New selling price = Rs. $\frac{4x}{5}$
Let CP be Rs. y
ATQ, $\frac{\frac{4x}{5} - y}{y} = \frac{20}{100} = \frac{1}{5}$
$\frac{4x}{5} - y = \frac{y}{5}$
$\frac{y}{x} = \frac{2}{3}$
When article sold at actual selling price,
Profit % $= \frac{x-y}{y} \times 100 = \frac{\frac{3y}{2} - y}{y} \times 100 = 50\%$

53. Answer: C)

total possible outcomes = $6^2 = 36$

Favourable events = prime number on each dice but sum should not be even

= (2,3) (2,5) (3,2) (5,2)

Required probability = $\frac{4}{36} = \frac{1}{9}$

54. Answer: D)

digits that can take unit place are 2,4,6 only

Tens place can be filled by 6 digits as repetition is not allowed

Hundreds place can be filled by 5 digits

Thousands place can be filled by 4 digits

Required possible numbers = $4 \times 5 \times 6 \times 3 = 360$

55. Answer: B)

time taken by train A to cover distance = 1 hr

Time taken by train B to cover distance = 40 minutes

Speed of train A = $\frac{24}{1} = 24\ kmph$

Speed of train B = 36 kmph

Distance covered by train A in (1 hr – 40 min) 20 minutes = $24 \times \frac{20}{60} = 8\ km$

Time taken to cross each other = $\frac{24-8}{24+36} = \frac{16}{60}hr = 16\ min$

Time of crossing = $6:20 + 0:16 = 6:36\ AM$

56. Answer: A)

total students in a section = students failed in both + students passed in half yearly + students passes in annual – students passed in both

total students in section B = 15+30+25-20=50

57. Answer: D)

students failed in both exams in all sections = 10 + 15 + 20 = 45

Students passed in both exams in all sections = 20 + 20 + 25 = 65

Required % = $\frac{65-45}{45} \times 100 = 44\frac{4}{9}\%$

58. Answer: C)

students passed in only one examination in all sections = (30 + 40 − 20) + (30 + 25 −

20) + (35 + 30 − 25) = 125

Required average = $\frac{125}{3} = 41.67$

59. Answer: E)

Total students in section C = 20 + 35 + 30 − 25 = 60

Required % = $\frac{20}{60} \times 100 = 33.33\%$

60. Answer: B)

students in section A = 10 + 30 + 40 − 20 = 60

Students in section B = 15 + 30 + 25 − 20 = 50

Students in section C = 20 + 35 + 30 − 25 = 60

Section A & C have same no. of students

61. Answer: E)

From I:

$x^2 + 17x + 72 = 0$

$x^2 + 9x + 8x + 72 = 0$

$x(x + 9) + 8(x + 9) = 0$

$(x + 8)(x + 9) = 0$

x = -8, -9

From II:

$y^2 + 15y + 56 = 0$

$y^2 + 8y + 7y + 56 = 0$

$y(y + 8) + 7(y + 8) = 0$

$(y + 7)(y + 8) = 0$

y = -7, -8

So, $x \leq y$.

62. Answer: A)

From I:

7x + 5y = 62

7x = 62 − 5y

x = (62 − 5y)/7

From II:

11x − 7y = 38

11 × {(62 − 5y)/7} − 7y = 38

682 − 55y − 49y = 266

104y = 416

y = 4

Now x = {62 − 5 × 4}/7

x = 42/7 = 6

So, x > y.

63. Answer: C)

From I:

$3x^2 − 17x + 24 = 0$

$3x^2 − 9x − 8x + 24 = 0$

3x(x − 3) − 8(x − 3) = 0

(3x − 8)(x − 3) = 0

x = 3, 8/3

From II:

$2y^2 = y + 15$

$2y^2 − y − 15 = 0$

$2y^2 − 6y + 5y − 15 = 0$

2y(y − 3) + 5(y − 3) = 0

(2y + 5)(y − 3) = 0

y = 3, -5/2

No relation can be established between x and y.

64. Answer: B)

Let the speed of the boat in still water be 'x' km/h

According to question: Downstream speed of the boat = 2 × upstream speed of the boat

x + 6 = 2 × (x − 6)

x + 6 = 2x − 12

x = 18

So, the downstream speed of the boat = 18 + 6 = 24 km/h

Time taken by the boat to cover 108 km downstream = 108/24 = 4.5 hours = 4 hour 30 minutes

65. Answer: D)

Let the amount received by Gaurav, Monika and Ashwani be Rs. 8x, Rs. 11x and Rs. 15x, respectively.

According to question: 0.60 × 8x + 288 = 0.40 × 15x

4.8x + 288 = 6x

1.2x = 288

x = 240
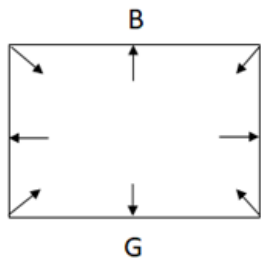
So, the amount received by Monika = 11 × 240 = Rs. 2,640
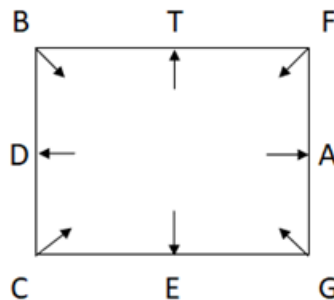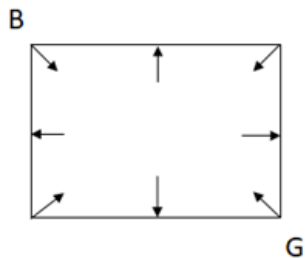
Reasoning Ability

(66 – 70): Common Explanation:

1) G and B are sitting opposite to each other.
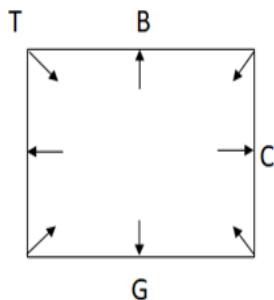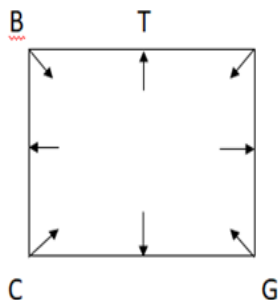
Case 1   Case 2

2) T sits third to the right of G.

3) Two people are sitting between C and T.
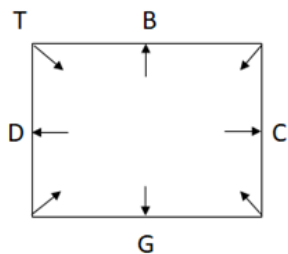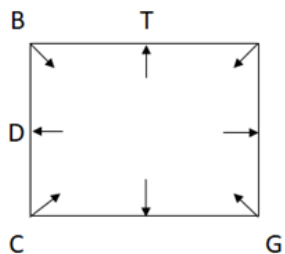
Case 1   Case 2

4) D is not sitting at the corner and not near to G.

Case 1   Case 2

5) F sits third to the left of E, who is not an immediate neighbor of T.

(Here, case 1 will be eliminated)

66. Answer: C)

67. Answer: D)

68. Answer: C)

69. Answer: D)

70. Answer: B)

71. Answer: A)

72. Answer: D)

73. Answer: C)

74. Answer: A)

75. Answer: B)

76. Answer: A)

Given statement: $G \geq T > F > D \geq E > C$.

On combining statements, we get,

$A = C < E \leq D < F; G \geq T > F$.

Conclusions:

I. $G > E$: True (As, $G \geq T > F > D \geq E > C$)

II. $T \geq C$: False (As, $G \geq T > F > D \geq E > C$)

77. Answer: E)

Given statement: $G = K < I \geq J; I < F < X; F < L \leq M = Y$

On combining statements, we get,

$X > F > I > K = G$ and $J \leq I < F < L \leq N = Y$

Conclusions:

I. $X > G$: True (As, $X > F > I > K = G$)

II. $Y > J$: True (As, $J \leq I < F < L \leq N = Y$)

78. Answer: B)

$F \geq H$, $A \leq C$, $G \geq H$, $H > C$

Conclusions:

I. G>H ------ but we know G≥H ---- so, G>H is not definitely true, hence this conclusion is false.

II. G>C ------ G≥H>C ------ so, G>C is true.

79. Answer: A)

$J \leq K$, $S > D < T$, $E \geq S$, $E = G$

Hence, $D < S < E = G$

Conclusions:

I. $D < E$ (TRUE)

II. $S < G$ (FALSE)

80. Answer: E)

Given statements: $T \geq M$, $M < K$, $C = K$, $P < M$

Conclusions:

I. $P < C$ - True ($P < M < K = C$).

II. $P < T$ - True ($T \geq M > P$).

(81 – 85): Common Explanation:

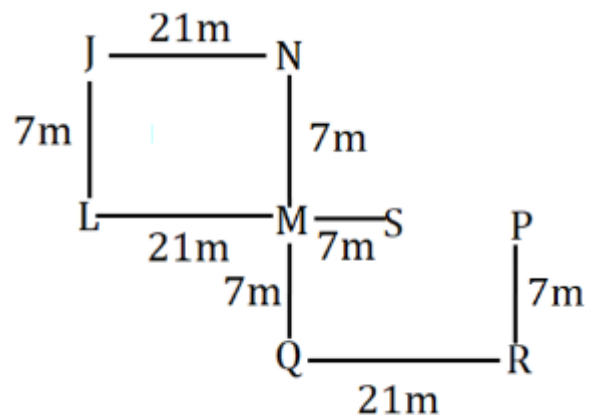| January	B
March	C
April	A
July	E
August	D
October	G
November	F

81. Answer: C)

82. Answer: A)

83. Answer: C)

84. Answer: E)

85. Answer: C)
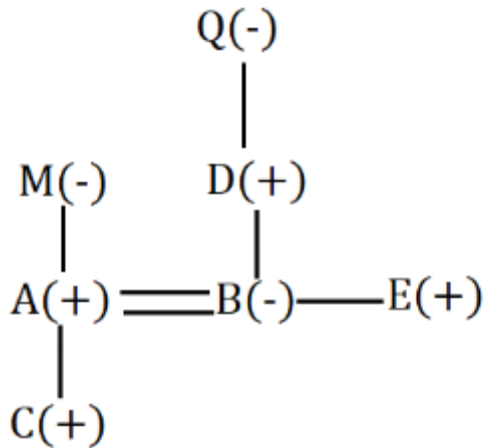
(86 – 88): Common Explanation:

86. Answer: B)

87. Answer: B)

88. Answer: A)

(89 – 90): Common Explanation:

89. Answer: C)

90. Answer: B)

91. Answer: E)

B scored more than E but less than D. A scored higher marks than at least two persons. E scored more than A.

So, the final arrangement is as follows:

D > B > E > A > C/F > F/C

So, the marks of C cannot be determined.

92. Answer: C)

If we replace the even positioned letters with their respective succeeding letter then we would get the following word "DDSSRTCSINN".

So, the letter, which is 6th from the left end, is 'T'.

93. Answer: E)

	Letters in the word	Letters in the alphabet
Forward	S A **T U** R A T I O N	**T U** V
	S A T U **R A T** I O N	**R S T**
Backward	S A T U R A T I **O N**	P **O N**
	S A T U R A T I O N	T S R

94. Answer: C)

GLAD is coded as KICC and FIVE is coded as JFXD

The code is as follows:

T + 4 = X

R - 3 = O

O + 2 = Q

Y - 1 = X

95. Answer: D)

First we break the series,

ACEGI / BDFHJ / CEGIK / DFHJ_

Now ,

ABC**D**E**F**GH**I** → ACEGI (gap of one alphabet)

BCD**E**F**G**HI**J** → BDFHJ (gap of one alphabet)

So, **D**EF**G**H**I**JK**L** → DFHJ**L** ,so answer is 'L'

(96 – 100): Common Explanation:

Four persons were bought between K and I. M was bought immediately before I.

Case 1	Case 2	Case 3
Person	Person	Person
K		M
	K	I
M		
I	M	
	I	K

Two persons were bought between J and M. O was bought immediately after L. Two persons were bought between L and N.

Case 1	Case 2	Case 3
Person	Person	Person
K	N	M
J	K	I
L	J	
O	L	J
M	O	L

I	M	O
	I	K

Case 1 and case 3 are invalid because two persons were bought between L and N.

So, final arrangement is

Person
N
K
J
L
O

M
I

K was bought immediately before J

96. Answer: B)

97. Answer: D)

98. Answer: C)

99. Answer: A)

100. Answer: C)