Directions (1-5): Study the given information carefully and answer the given questions:

Seven persons A, B, C, D, E, F and G are watching movies on different days of the week (starting on Monday and ending on Sunday) not necessarily in the same order. B is going to watch movie on Tuesday. F is going to watch movie on adjacent day of B. There are three days gap between the days on which F and A are going to watch movie. G is going to watch movie just after D. There are as many persons are watching movie between A and G, same as between D and C. C is watching movie before D but not just before.

Q1. Who among the following is going to watch movie on Wednesday?
(a) B
(b) C
(c) F
(d) E
(e) None of these

Q2. Who among the following person is going to watch movie just after A?
(a) C
(b) D
(c) F
(d) G
(e) None of these

Q3. If F and G interchange their days of watching movie, then on which day G is watching movie?
(a) Monday
(b) Wednesday
(c) Friday
(d) Saturday
(e) None of these

Q4. C is watching movie on which day?
(a) Friday
(b) Saturday
(c) Wednesday
(d) Thursday
(e) Tuesday

Q5. How many persons are watching movie between B and A?
(a) Two
(b) Three
(c) One
(d) Four
(e) None of these

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Directions (6-8): Study the following information carefully and answer the questions given below:

There are six persons who all are of different height. A is taller than C and D but shorter than E. The one who is third shortest is 102cm in height. B is taller than A. E is not the tallest. The one who is second tallest is 119cm in height. Neither A nor C is the third shortest person among all. C is not the shortest among all. F is taller than D.

Q6. Who among the following is the second tallest?
(a) F
(b) E
(c) A
(d) C
(e) None of these

Q7. What will be the possible height of A?
(a) 120cm
(b) 100cm
(c) 112cm
(d) 101cm
(e) None of these

Q8. Who among the following is third shortest?
(a) A
(b) C
(c) B
(d) F
(e) None of these

Directions (9-13): Study the following information carefully and answer the given questions.

Twelve persons are sitting in two parallel rows at equal distance facing each other. Q, R, S, T, U and V are sitting in Row 1 facing south. B, C, D, E, F and G are sitting in Row 2 facing north (but not necessarily in the same order).
G sits third to the right of B and one of them sits at the end of the row. Q sits at the right end of the row. Three persons sit between Q and T. F sits to the immediate left of G. Two persons sit between F and C. C who faces R sits to the immediate right of E. S faces D. U sits to the immediate left of S.

Q9. Which of the following pair sits at the extreme ends of the Row 2?
(a) B & E
(b) G & E
(c) B & C
(d) G & C
(e) None of these

Q10. Who sits second to the left of the person facing V?
(a) B
(b) D
(c) F
(d) C
(e) G

Q11. What is the position of U with respect to R?
(a) Third to the left
(b) Second to the left
(c) Second to the right
(d) Third to the right
(e) None of these

Q12. Who is facing F?
(a) T
(b) U
(c) Q
(d) S
(e) None of these

Q13. If the positions of all persons sitting in Row 2 are arranged as per the English alphabetical order from left to right, then who among the following faces D?
(a) Q
(b) R
(c) S
(d) T
(e) None of these

Directions (14-16): In each of the following questions some statements are given and these statements are followed by two conclusions numbered (I) and (II). You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.
Give answer:

Q14. Statements:
All DSLR are Lenses.
Some Camera are DSLR.
Conclusions:
I. All camera is lenses.
II. Some lenses are camera.
(a) If only (I) conclusion follows.
(b) If only (II) conclusion follows.
(c) If either (I) or (II) follows.
(d) If neither (I) nor (II) follows.
(e) If both (I) and (II) follow.

Q15. Statements:
All Label are Packets.
All Mobiles are Cables.
Some Mobiles are packets.
Conclusions:
I. Some Label is mobile.
II. Some Cables are Label.
(a) If only (I) conclusion follows.
(b) If only (II) conclusion follows.
(c) If either (I) or (II) follows.
(d) If neither (I) nor (II) follows.
(e) If both (I) and (II) follow.

Q16. Statements:
Some Book are Pen.
Some Pens are Pencil.
Conclusions:
I. No Book is pencil.
II. All Pencils are Book.
(a) If only (I) conclusion follows.
(b) If only (II) conclusion follows.
(c) If either (I) or (II) follows.
(d) If neither (I) nor (II) follows.
(e) If both (I) and (II) follow.

Directions (17-21): Study the following information to answer the given questions.

Eight students A, B, C, D , E, F, G and H are sitting around a square table in such a way four of them sit at four corners while four sit in the middle of each of the four sides. The one who sit at the corners face the centre and others facing outside.
A who faces the centre sits third to the left of F. E who faces the centre is not an immediate neighbour of F. Only one person sits between F and G. D sits second to right of B. B faces the centre. C is not an immediate neighbour of A.

Q17. Which one does not belong to that group out of five ?
(a) B
(b) C
(c) E
(d) D
(e) A

Q18. Which will come in the place of ?
BCE EHA AGD ?
(a) DFB
(b) DGA
(c) DCG
(d) DCF
(e) None of these

Q19. What is the position of G with respect to C ?
(a) Third to the right
(b) Second to the left
(c) Second to the right
(d) Fourth to the right
(e) None of these

Q20. Who sits third to the left of B ?
(a) H
(b) A
(c) G
(d) F
(e) None of these

Q21. Which is true from the given arrangement?
(a) G faces the centre
(b) B faces outside
(c) H faces inside
(d) A face the centre
(e) None of these

Q22. How many pairs of letter are there in the word 'DECLARING' (both backward and forward), each of which has as many letters between them as in the word as there are in the English alphabet?
(a) One
(b) three
(c) Four
(d) Five
(e) None of these

**Directions (23-25):** Study the following information carefully and answer the questions given below:

Point C is 15m in the east of point F. Point A is 10m west of point B which is 15m north of point H. Point D is 15 west of point E. Point B is 15 m south of point C. Point E is 5m east of point H. Point G is 15m north of point A.

Q23. In which direction and at what distance is point G from point C?
(a) 10m east
(b) 5m, east
(c) 10m, west
(d) 5m, west
(e) None of these

Q24. Point D is in which direction with respect to point A?
(a) South
(b) North
(c) North East
(d) West
(e) None of these
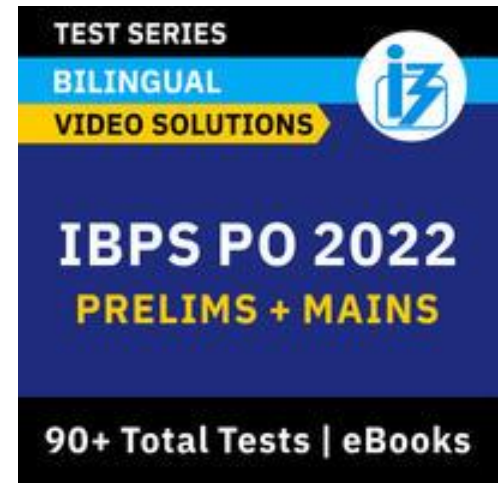
Q25. Point F is in which direction with respect to point E?
(a) North East
(b) South West
(c) South East
(d) North West
(e) None of these

Directions (26-30): Following questions are based on the five words given below, Study the following words and answer the following questions.

TAP NOT MAT PQR STB
(The new words formed after performing the mentioned operations may not necessarily be a meaningful English word.)

Q26. If the given words are arranged in the order as they appear in a dictionary from right to left, which of the following will be second from the left end?
(a) MAT
(b) NOT
(c) STB
(d) TAP
(e) None of these

Q27. How many letters are there in the English alphabetical series between the third letter of the word which is second from the left end and the second letter of the word which is third from the right end?
(a) 20
(b) 19
(c) 18
(d) 17
(e) None of these

Q28. If in each of the word given, the second alphabet is replaced by its following alphabet and third alphabet is replaced by its preceding alphabet as per the English alphabetical order, then how many words thus formed will be without any vowels?
(a) None
(b) One
(c) Two
(d) Three
(e) Four

Q29. If the positions of the first and the third alphabet in each of the words given are interchanged, then how many meaningful word will be formed?
(a) Two
(b) One
(c) Four
(d) Three
(e) None

Q30. If in each of the given words, every consonant is changed to its previous letter and every vowel is changed to its next letter according to the English alphabetical series, then in how many words, thus formed, at least one vowels will appear?
(a) None
(b) One
(c) Two
(d) Three
(e) None of these

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

There are seven persons i.e. A, B, C, D, E, F and G. They all belongs to the different cities i.e. Kolkata, Mumbai, Chennai, Pune, Lucknow, Ahmadabad and Delhi but not necessarily in the same order. D belongs to Pune. Neither A nor F belongs to Kolkata. B belongs to Ahmedabad. C does not belong to Kolkata and Lucknow. G belongs to Mumbai. A does not belongs to Lucknow and Chennai.

Q31. Who among the following belongs to Kolkata?
(a) A
(b) D
(c) F
(d) G
(e) None of these

Q32. Which of the following statement is true?
(a) A belongs to Chennai
(b) G belongs to Delhi
(c) E belongs to Kolkata
(d) F belongs to Pune
(e) None of these

Q33. F belongs to which of the following City?
(a) Chennai
(b) Mumbai
(c) Delhi
(d) Lucknow
(e) None of these

Q34. Which of the following combination is true?
(a) A-Delhi
(b) D-Pune
(c) E-Kolkata
(d) All are correct
(e) All are incorrect

Q35. A belongs to which of the following city?
(a) Delhi
(b) Mumbai
(c) Kolkata
(d) Chennai
(e) None of these

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

Q36. 200, 193, 179, 158, ?, 95
(a) 135
(b) 133
(c) 132
(d) 130
(e) 128

Q37. 3, 43, 81, 115, 143, ?
(a) 163
(b) 172
(c) 166
(d) 160
(e) 168

Q38. 1, 6, 25, 76, 153, ?
(a) 152
(b) 154
(c) 153
(d) 155
(e) 156

Q39. 50, 54, 45, 61, 36, ?
(a) 66
(b) 72
(c) 75
(d) 80
(e) 84

Q40. 9, 45, 180, 540, ?, 1080
(a) 720
(b) 900
(c) 1080
(d) 1200
(e) 960

Q41. If the sum of upstream and downstream speed is 36 km/hr and the speed of the current is 3km/hr . Then find time taken to cover 52.5 km in downward?
(a) 2 hr
(b) 2.5 hr
(c) 3 hr
(d) 3.5 hr
(e) 4 hr

Q42. A sum becomes 1.6 times of itself in five years at simple rate of interest. Find rate of interest per annum?
(a) 10%
(b) 12.5%
(c) 15%
(d) 12%
(e) 8.5%

Directions (43-52): Calculate the exact value of the 'x' in the given following questions.

Q43. $x^2 + (9^2 + 34) \div 5 = 39$
(a) 5
(b) 4
(c) 8
(d) 6
(e) 9

Q44. $6 \times 16 \times 5 \div 3 - x^2 = 96$
(a) 6
(b) 7
(c) 8
(d) 9
(e) 5

Q45. $\sqrt{124 + x + 169} = 18$
(a) 27
(b) 28
(c) 29
(d) 30
(e) 31

Q46. $28^2 - x^3 = 7^3 + 225$
(a) 6
(b) 8
(c) 4
(d) 7
(e) 5

Q47. $298 - 13^2 - 2^3 = x \times 11$
(a) 51
(b) 41
(c) 21
(d) 11
(e) 31

Q48. $\sqrt[3]{729} + 3\frac{3}{5} \div x = \sqrt{16 \times 9}$

(a) 1
(b) 1.4
(c) 1.2
(d) 1.6
(e) 2

Q49. x% of 300 + $\sqrt{256}$ = 243 ÷ 3 + 7
(a) 18
(b) 24
(c) 16
(d) 28
(e) 32

Q50. x × 3 ÷ 8 = $\sqrt[3]{512} \times \sqrt{12^2}$
(a) 256
(b) 512
(c) 64
(d) 128
(e) 320

Q51. $136 \div 2^2 \times x = 17\%$ of 500 ÷ 10
(a) 1
(b) 0.5
(c) 0.25
(d) 0.125
(e) 1.25

Q52. $1836 \div x \div 9 = 12$
(a) 9
(b) 11
(c) 13
(d) 15
(e) 17

Q53. Ratio of present ages of two persons A and B is 3:2 and after four years ratio of their age (B:A) become 7:10. Then find the present age of B?
(a) 20 years
(b) 18 years
(c) 24 years
(d) 36 years
(e) 30 years

Q54. The difference between Circumference of circle A and diameter is 90 cm . If Radius of Circle B is 7 cm less than circle A then find area of Circle B?

(a) 556 cm^2

(b) 616 cm^2

(c) 588 cm^2

(d) 532 cm^2

(e) 630 cm^2

Q55. There are 40 children in a class in which boys are 4 more than the girls. Average weight of all the students is 42.5 kg and the average weight of all the girls is 48 kg then find the average weight of all the boys.

(a) 39.5 kg

(b) 38 kg

(c) 40.5 kg

(d) 36.75 kg

(e) 40.25 kg

Directions (56-60): In each question two equations numbered (I) and (II) are given. Student should solve both the equations and mark appropriate answer.

Q56.

I. $8x^2 + 6x + 1 = 0$

II. $3y^2 + 7y + 2 = 0$

(a) If x=y or no relation can be established

(b) If x>y

(c) If x<y

(d) If x>=y

(e) If x<=y

Q57.

I. $x^2 = 196$

II. $y^2 − 26y + 169 = 0$

(a) If x=y or no relation can be established

(b) If x>y

(c) If x<y

(d) If x>=y

(e) If x<=y

Q58.

I. $9x^2 − 12x + 4 = 0$

II. $8y^2 − 9y + 1 = 0$

(a) If x=y or no relation can be established

(b) If x>y

(c) If x<y

(d) If x>=y

(e) If x<=y

Q59.

I. $x^2 - 15x + 56 = 0$

II. $y = \sqrt[8]{512}$

(a) If x=y or no relation can be established

(b) If x>y

(c) If x<y

(d) If x>=y

(e) If x<=y

Q60.

I. $3x^2 + 10x + 8 = 0$

II. $2y^2 + 3y + 1 = 0$

(a) If x=y or no relation can be established

(b) If x>y

(c) If x<y

(d) If x>=y

(e) If x<=y

Q61. A man invested 15% of his monthly income in LIC and remaining gave to his mother. Mother spend 10 % of it in household expenses and she had left with Rs 30,600 then find the salary of man ?

(a) Rs 37,500

(b) Rs 36,000

(c) Rs 38,000

(d) Rs 42,000

(e) Rs 40,000

Q62. If 7 marks are awarded to right answer and 4 marks are penalty for wrong answer. Then Prabhat's score was 263. If he attempted 58 questions then find number of correctly attempted questions?

(a) 45

(b) 42

(c) 48

(d) 40

(e) 50

Q63. In a city, 68% of population is literate in which ratio of male to female is 11:6. And ratio of illiterate male to female is 3: 1 . Find the ratio of literate female to illiterate female in that city.

(a) 3:2

(b) 2:1

(c) 3:1

(d) 4:1

(e) 5:2

Q64. Ratio of length to breadth of a rectangle is 4:3. If the area of that rectangle is 108 cm² and breadth of this rectangle is equal to the side of a square then find the area of that square.
(a) 49 cm²
(b) 100 cm²
(c) 64 cm²
(d) 81 cm²
(e) 121 cm²

Q65. A is 1.5 times as efficient as that of B and C takes half time as compared to that of A. If A and B takes $2\frac{2}{5}$ days to complete half of the work then find the time taken by A and C together to complete the whole work?
(a) $2\frac{1}{3}$ days
(b) $3\frac{1}{3}$ days
(c) $1\frac{1}{3}$ days
(d) $1\frac{2}{3}$ days
(e) $2\frac{2}{3}$ days

Directions (66-70): Given below table shows the number of cakes of five different types sold by a shopkeeper on four different days. Study the data and answer the questions that follow:

Days/Type of Cake	A	B	C	D	E
Saturday	25	28	35	50	38
Sunday	35	65	48	42	47
Monday	38	60	40	24	29
Tuesday	46	54	55	44	30

Q66. What is the ratio of no. of cakes of type B sold by the shopkeeper on Saturday and Monday together to the no. of cakes of type E sold by him on the same days?
(a) 72:53
(b) 88:67
(c) 98:73
(d) 92:71
(e) 90:67

Q67. What is average no. of cakes of type C sold by shopkeeper on Saturday, Sunday and Tuesday?
(a) 38
(b) 40
(c) 42
(d) 44
(e) 46

Q68. The no. of cakes of type D and E sold together on Tuesday is what percent of the no. of cakes of type A & B sold together on Sunday?
(a) 72%
(b) 75%
(c) 74%
(d) 78%
(e) 80%

Q69. What is the difference between the total no. of cakes of all the given types sold by shopkeeper on Monday and the total no. of cakes of all the given types sold by shopkeeper on Tuesday?
(a) 38
(b) 44
(c) 42
(d) 40
(e) 45

Q70. If the no. of cakes of type F sold by the shopkeeper in given four days is 25% more than the no. of cakes sold of type D in all the given days, then find the no. of cakes sold of type F in all the given days.
(a) 164
(b) 160
(c) 180
(d) 200
(e) 240

Directions (71-76): Read the following passage and answer the questions that follow it. Some words are highlighted to help you answer some of the questions.

Conversations about the role of flexible working have shifted. It's no longer enough for companies to offer employees the option to either work from home or the office. Employees want to work from anywhere. Companies that want to attract and retain top talent, and ensure teams are highly productive, need to adapt their culture and technology to accommodate this shift in attitudes. And this is where the IT department can solidify its role as a valued contributor to the success of a company, by implementing technologies that enable secure and remote collaboration.
According to a recently commissioned Polycom survey, 24,000 respondents across 12 countries indicate that nearly two-thirds of today's global workforce take advantage of the anywhere working model. This is a significant shift since May of 2012 when only 14% of employees benefited from remote working. The survey results also provide insights into some of the concerns among companies in moving forward with the anywhere working model. Two significant concerns are a lack of trust and the perception that employees are not working as hard when they are not in the office. Also, among the 45-60-year-old age group, 59% worry that working anywhere will cause them to work longer hours. The fear of being always connected to work and overworking is a significant deterrent for this age group.
A good first step for companies to overcome the trust and perception concern is to ensure workers are measured by output and not by the hours they have worked, commonly referred to as 'presenteeism.' Countries like Brazil lead the pack here with 80% of employees adopting the anywhere working model, and 64% respondents use video to communicate several times a day. When respondents were asked how their companies could improve trust and perceptions with the anywhere working model, the most popular recommendations were to: Equip workers with technology that is easy to use and which connects them to their colleagues; Ensure the same policies are applied to everyone in the business, regardless of seniority or their situation; and Provide guidelines on how to manage working from anywhere.

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91% of those surveyed agreed that technology is a key factor in improving relationships and **fostering** better teamwork. This suggests that investing in the right technologies, in particular video collaboration, to get the most out of individuals and teams can help solve the lack of trust and perception concerns. And this is where the IT department can become a difference maker as they can implement technologies, such as video conferencing, to ensure colleagues can seamlessly collaborate wherever they are.

Q71. What is the shift in attitude of employees as discussed in the passage?
(I) They want to work in office.
(II) They want to work from home.
(III) They want to work from anywhere.
(a) Only (I)
(b) Both (II) & (III)
(c) Only (III)
(d) Only (II)
(e) None of (I), (II) & (III)

Q72. How could companies accommodate the recent shift in attitudes of employees as discussed in the passage?
(a) By offering work from home option to employees
(b) By enabling secure and remote collaboration
(c) By increasing the salaries of employees
(d) Options (a) & (b)
(e) None of the above

Q73. Which of the followings mention(s) the concern of the companies to accommodate the latest preference of employees for working styles?
(a) Lack of trust for employees;
(b) Perception that employees will not work hard anywhere apart from office;
(c) Working anywhere would make employees to work longer hours;
(d) Options (b) & (c)
(e) Options (a) & (b)

Q74. How could companies overcome their concerns for the latest preferences of employees for style of working?
(a) By not offering work from home model
(b) By measuring employees for the output, they generate and not by the hours they have worked
(c) By offering work from anywhere model
(d) By allowing only those who are interested to work from anywhere.
(e) None of the above

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Q75. Which of the following opinions as expressed in the survey about solving the trust and perception concerns of the companies in accommodating the latest preference of employees for style of work has received more than 91%?

(a) Investing in technology

(b) Providing guidelines on how to manage working from anywhere

(c) Ensuring the same policies are applied to everyone regardless of seniority

(d) Options (a) & (c)

(e) None of the above

Q76. Which of the following options has a meaning which is SIMILAR to the word '*fostering*'?

(a) asserting

(b) focusing

(c) collaborating

(d) encouraging

(e) admitting

Directions (77-81): Rearrange the following five sentences (A), (B), (C), (D) and (E) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

(A) Crucially, this loss of sheen is reflected in the account books of the sport's controversial administrator, among the richest in the world.

(B) The total income that was distributed by BCCI among players is reduced because of lower income from media rights.

(C) Television viewership for the game has dropped 40% to a weekly 61 gross rating points (GRPs).

(D) A Board of Control for Cricket in India official said, however, that this was because India wasn't playing enough at home.

(E) Cricket seems to be losing its crowd-pulling power.

Q77. Which of the followings is the FOURTH sentence of the final sequence?

(a) A

(b) D

(c) E

(d) B

(e) C

Q78. Which of the followings is the FIRST sentence of the final sequence?

(a) E

(b) C

(c) D

(d) A

(e) B

Q79. Which of the followings is the SECOND sentence of the final sequence?
(a) E
(b) A
(c) C
(d) D
(e) B

Q80. Which of the followings is the THIRD sentence of the final sequence?
(a) E
(b) A
(c) D
(d) C
(e) B

Q81. Which of the followings is the FIFTH sentence of the final sequence?
(a) C
(b) A
(c) E
(d) D
(e) B

Directions (82-85): In the following questions, a sentence is given consisting four highlighted words. Choose the option reflecting the word which is either misspelt or grammatically incorrect. If all the highlighted words are correct, choose option (E) i.e. "no error" as your answer choice.

Q82. Making the **request** for a non-smoking room seemed **resonable** for everyone since the woman was **allergic** to smoke.
(a) Making
(b) Request
(c) Resonable
(d) Allergic
(e) No error

Q83. When we are **involved** in large-scale projects, we must make **judgemants** on an **individual basis** about whether they are good or bad.
(a) involved
(b) judgemants
(c) individual
(d) basis
(e) No error

Q84. Several **expriments** were tried, to **determine** positively **whether** or not she had any **perception** of sound.
(a) expriments
(b) determine
(c) whether
(d) perception
(e) No error

Q85. When the man gave the **terrific** persuasive speech at the **conference**, the observers **applaud** with gusto by **putting** their hands together.
(a) terrific
(b) conference
(c) applaud
(d) putting
(e) No error

Directions (86-90): In the following questions two columns are given containing three sentences/phrases each. In first column, sentences/phrases are A, B and C and in the second column the sentences/phrases are D, E and F. A sentence/phrase from the first column may or may not connect with another sentence/phrase from the second column to make a grammatically and contextually correct sentence. Each question has five options which display the sequence(s) in which the sentences/phrases can be joined to form a grammatically and contextually correct sentence. Choose the correct combination of parts that make a meaningful sentence.

Q86. COLUMN I
(A) There is emerging international recognition
(B) It can serve as the driving force to restore hope
(C) The earnest determination distilled in these words is the spirit we all need
COLUMN II
(D) and create societies where all can live with hope and dignity.
(E) our work makes us feel productive and empowered.
(F) that women's participation is key to effective climate action.
(a) C-F, A-D and A-E
(b) B-E
(c) A-F
(d) A-D and C-E
(e) A-F and B-E

Q87. COLUMN I
(A) Over time, there are changes that take place
(B) In the case of primary succession,
(C) In other cases, a pre-existing group of species is replaced by a new group of species,
COLUMN II
(D) where they house an array of species.
(E) that ecological communities move from possessing very little species diversity
(F) in the composition of species that constitute an ecological community.
(a) C-E, A-D and A-F
(b) B-D
(c) A-F
(d) B-E and C-D
(e) B-E.

Q88. Column (1)

(A)The increase in MSP for rabi crops comes

(B)There are notified crops

(C)For big companies, there are instances

Column (2)

(D)The government said in a release.

(E)Just ahead of the RBI monetary policy announcement.

(F) Of even the infrastructure getting damaged.

(a) C-F

(b) C-E and B-F

(c) A-E

(d) C-F and A-E

(e) B-F, B-E and A-D

Q89. Column (1)

(A)India will be the third largest aviation

(B)The biggest contribution in

(C)Firstly, we are seeing an/a

Column (2)

(D)market globally a year sooner.

(E)as the world's largest aviation

(F)restrictive protectionist measures

(a) C-D, A-F and B-D

(b) B-F

(c) A-D

(d) C-E and B-D

(e) B-E

Q90. COLUMN I

(A) Researchers are only beginning to understand the power

(B) As our understanding grows, we will have the potential

(C)The burden of gene editing

COLUMN II

(D) cannot be borne by science alone.

(E) to edit out genes that cause fatal diseases.

(F) would not be passed down the family tree.

(a) A-D, B-E and B-D

(b) B-E and C-D

(c) A-F

(d)B-F and C-E

(e) C-E

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Directions (91-95): Given below are sentences consisting a blank in each. Identify the most suitable alternative among the five given that fits into the blank to make the sentence logical and meaningful.

Q91. In _____ to picking up milk from the grocery store, we also need to get some bread, because my cousin ate all of it this past week.
(a) further
(b) addition
(c) computation
(d) aftermath
(e) besides

Q92. He _____ on things being done in the most efficient way and he usually does them that way himself.
(a) requesting
(b) conserves
(c) urge
(d) insists
(e) discourages

Q93. If the quality of your product meets with our customer's approval, we will place _____ orders.
(a) interrupted
(b) reduced
(c) regular
(d) choice
(e) conditional

Q94. Tom seems to be unwilling to believe that Mary was the one who _____ his credit cards.
(a) stole
(b) run
(c) accept
(d) delivery
(e) checking

Q95. The Circular will guide the regional investment _____ and budgeting processes for FY 2020 Budget.
(a) programming
(b) scheduled
(c) arrange
(d) planned
(e) records

Directions (96-100): The following questions consist of a sentence with a highlighted phrase which may or may not be grammatically or contextually correct. Choose the most suitable option that will replace the incorrect highlighted phrase to form a grammatically correct and meaningful sentence. If the given highlighted phrase is correct, choose option (E) i.e. "no replacement required" as your answer choice.

Q96. India has suffered from terrorism. So has Pakistan. And **it turns out**, now the first world too is not immune.
(a) turning out to
(b) it turns to
(c) it turned out to be
(d) it turning out
(e) No replacement required

Q97. The advocate declared in the court that his client **has prepared** tosurrender.
(a)Was prepared to
(b)Has been preparing for
(c)Was prepared at
(d)Has prepared for
(e)No correction required

Q98. Any step that the Prime Minister takes to remove violence in the country **will be appreciate**.
(a) will appreciated
(b) will have appreciated
(c) was appreciating
(d) will be appreciated
(e) were appreciating

Q99. If this is freedom of speech, then it **must been curtailed** immediately.
(a) have being curtailing
(b) must be curtailed
(c) must have been curtailed
(d) have been curtailed
(e) No correction required

Q100. When the police started asking questions, the suspect **clammed up.**
(a) camped down
(b) clamped up
(c) clam out
(d) clamed off
(e) No Correction Required

S1. Ans.(d)
Sol.

Days	Persons
Mon	F
Tue	B
Wed	E
Thu	C
Fri	A
Sat	D
Sun	G

S2. Ans.(b)
Sol.

Days	Persons
Mon	F
Tue	B
Wed	E
Thu	C
Fri	A
Sat	D
Sun	G

S3. Ans.(a)
Sol.

Days	Persons
Mon	F
Tue	B
Wed	E
Thu	C
Fri	A
Sat	D
Sun	G

S4. Ans.(d)
Sol.

Days	Persons
Mon	F
Tue	B
Wed	E
Thu	C
Fri	A
Sat	D
Sun	G

S5. Ans.(a)
Sol.

Days	Persons
Mon	F
Tue	B
Wed	E
Thu	C
Fri	A
Sat	D
Sun	G

S6. Ans.(b)
Sol.
B > E > A > F > C > D

S7. Ans.(c)
Sol.
B > E > A > F > C > D

S8. Ans.(d)
Sol.
B > E > A > F > C > D
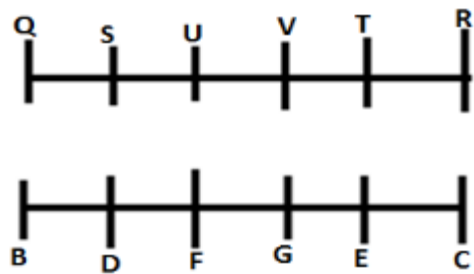
S9. Ans.(c)
Sol.

S10. Ans.(b)
Sol.
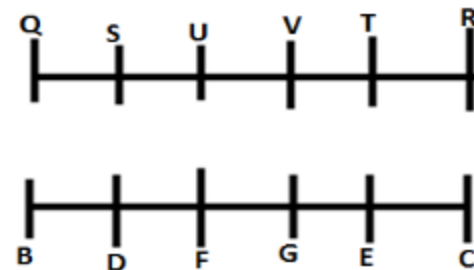
S11. Ans.(d)
Sol.
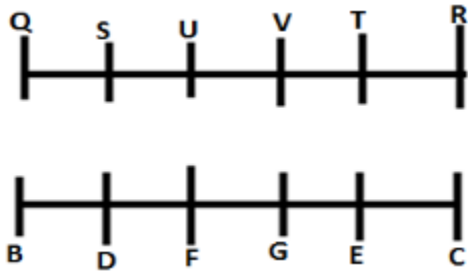
S12. Ans.(b)
Sol.

S13. Ans.(e)
Sol.

S14. Ans.(b)
Sol.

S15. Ans.(d)
Sol.

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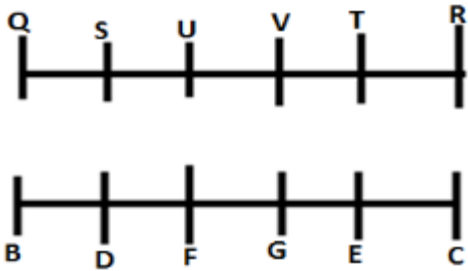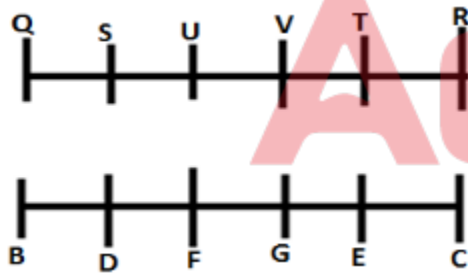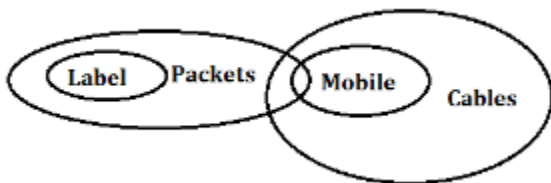
S16. Ans.(d)
Sol.
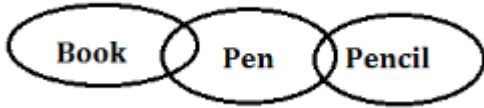
S17. Ans.(b)
Sol.
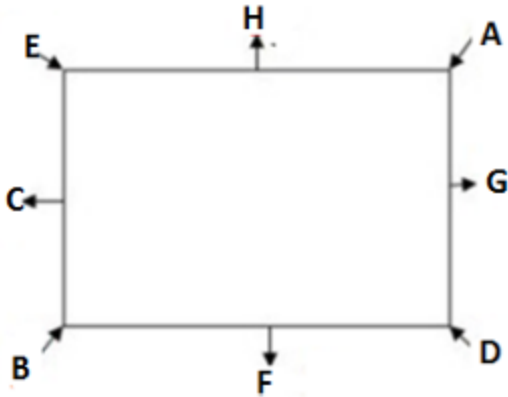
S18. Ans.(a)
Sol.

S19. Ans.(d)
Sol.

S20. Ans.(a)
Sol.

```
  E              H →        A
   ↘             ↑         ↙
   ┌─────────────┼──────────┐
   │                        │
C ←┤                        ├→ G
   │                        │
   └─────────────┼──────────┘
   ↗             ↓          ↘
  B              F          D
```

S21. Ans.(d)
Sol.

```
  E              H →        A
   ↘             ↑         ↙
   ┌─────────────┼──────────┐
   │                        │
C ←┤                        ├→ G
   │                        │
   └─────────────┼──────────┘
   ↗             ↓          ↘
  B              F          D
```

S22. Ans.(d)
Sol.

D E C L A R I N G

S23. Ans.(c)
Sol.

```
      5m         C
F ───────┬──────┐
         G  10m │
                │ 15m
                │
   A    10m     │ B
   ●───────────●
                │
                │ 15m
                │
      10m       H   5m
   ●───────────┤───────● E
   D
```
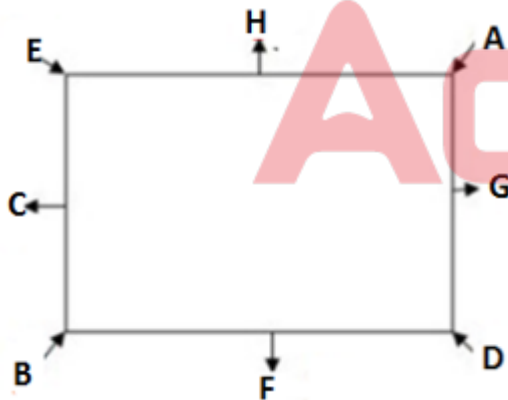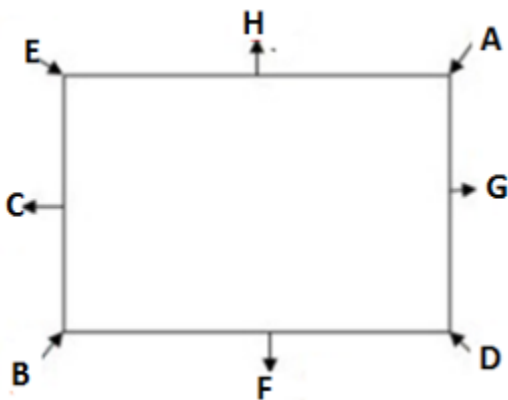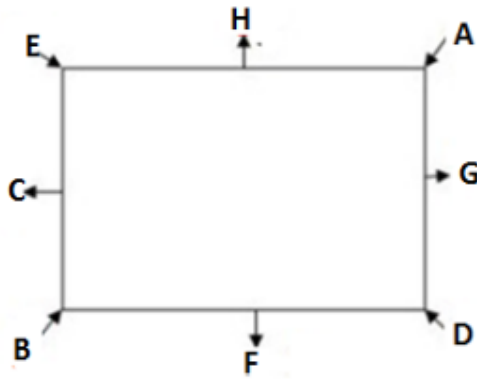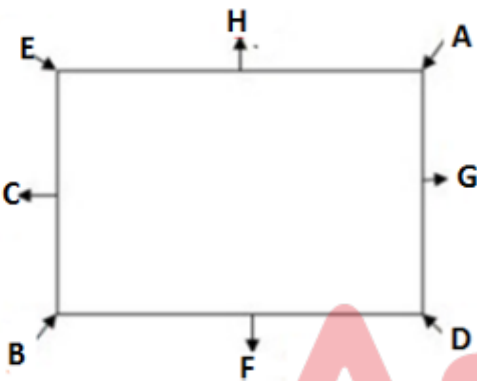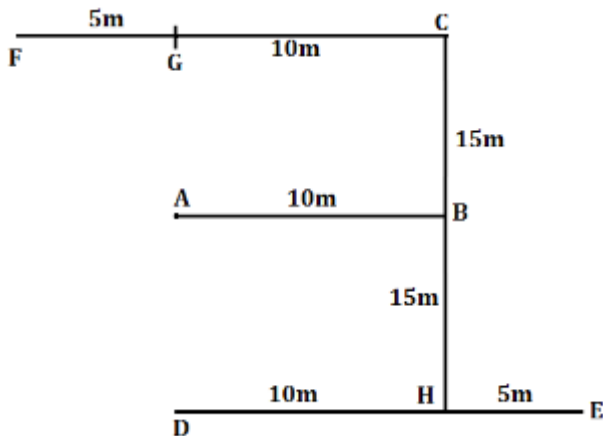
S24. Ans.(a)
Sol.
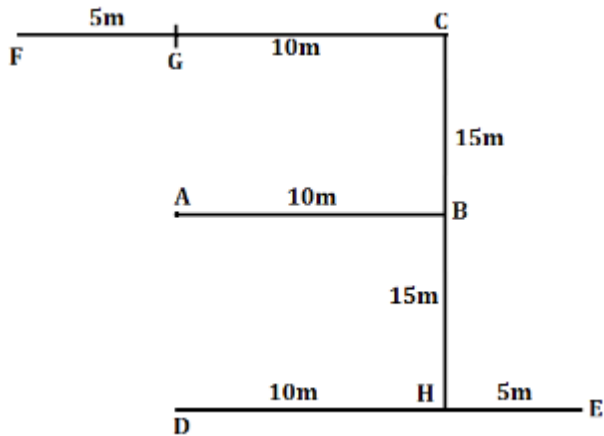
S25. Ans.(d)
Sol.
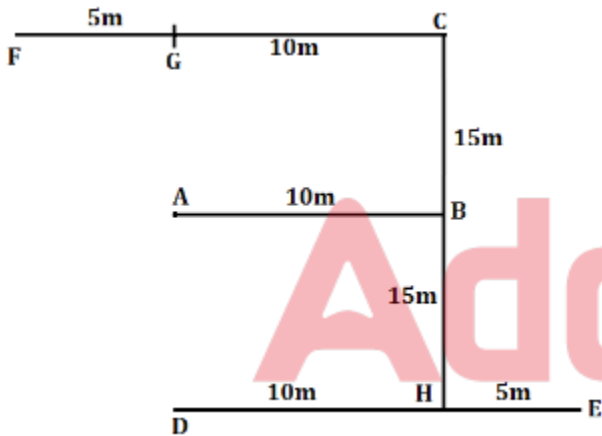
S26. Ans.(c)
Sol.

TAP	NOT	MAT	PQR	STB
TAP	STB	PQR	NOT	MAT

S27. Ans.(c)
Sol.

TAP   NOT   MAT   PQR   STB

Hence, there are 18 letters between A and T.

S28. Ans.(d)
Sol.

TAP	NOT	MAT	PQR	STB
TBO	NPS	MBS	PRQ	SUA

S29. Ans.(d)

Sol.

TAP   NOT   MAT   PQR   STB

PAT   TON   TAM   RQP   BTS

S30. Ans.(d)

S31. Ans.(e)

Sol.

Person	CITY
A	Delhi
B	Ahmedabad
C	Chennai
D	Pune
E	Kolkata
F	Lucknow
G	Mumbai

S32. Ans.(c)

Sol.

Person	CITY
A	Delhi
B	Ahmedabad
C	Chennai
D	Pune
E	Kolkata
F	Lucknow
G	Mumbai

S33. Ans.(d)

Sol.

Person	CITY
A	Delhi
B	Ahmedabad
C	Chennai
D	Pune
E	Kolkata
F	Lucknow
G	Mumbai

S34. Ans.(d)

Sol.

Person	CITY
A	Delhi
B	Ahmedabad
C	Chennai
D	Pune
E	Kolkata
F	Lucknow
G	Mumbai

S35. Ans.(a)

Sol.

Person	CITY
A	Delhi
B	Ahmedabad
C	Chennai
D	Pune
E	Kolkata
F	Lucknow
G	Mumbai

S36. Ans.(d)

Sol.

200   193   179   158   (130)   95
   7   14   21   28   35

S37. Ans.(a)

Sol.

3   43   81   115   143   (163)
  40   38   34   28   20
    -2   -4   -6   -8

S38. Ans.(b)

Sol.

1   6   25   76   153   (154)
 ×5+1 ×4+1 ×3+1 ×2+1 ×1+1

S39. Ans.(b)
Sol.

50   54   45   61   36   ? (72)

4   −9   16   −25   36

$+2^2$ -3^2 $+4^2$ -5^2 $+6^2$

S40. Ans.(c)
Sol.

9   45   180   540   ? (1080)   1080

×5   ×4   ×3   ×2   ×1
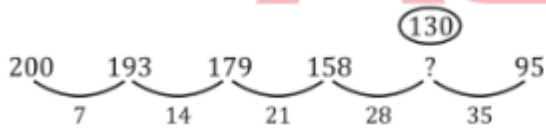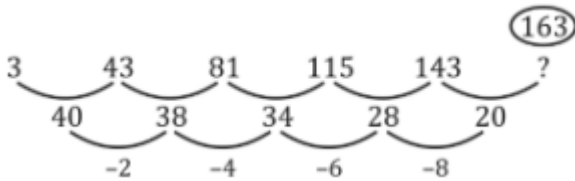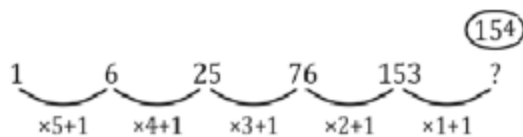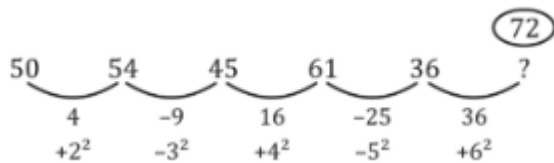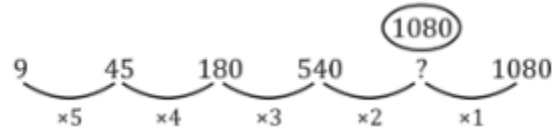
S41. Ans.(b)
Sol.
Let the speed of boat in still water be x km/hr
ATQ
$x + 3 + x − 3 = 36$
$x = 18$
Required time $= \frac{52.5}{21} = 2.5 \ hr$

S42. Ans.(d)
Sol.
Let that sum be Rs 'p' and rate of interest be 'r'% per annum
Amount= Rs 1.6p
SI= Rs 0.6p
ATQ
$0.6p = \frac{p \times r \times 5}{100}$
$r = 12\%$

S43. Ans.(b)
Sol.
$x^2 + (81 + 34) \div 5 = 39$
$x^2 + \frac{115}{5} = 39$
$x^2 = 39 − 23 = 16$
$x = 4$

S44. Ans.(c)
Sol.
$\frac{6 \times 16 \times 5}{3} − x^2 = 96$
$160 − 96 = x^2$
$64 = x^2$
$8 = x$

S45. Ans.(e)
Sol.

$\sqrt{293 + x} = 18$
Or, $293 + x = 324$
Or, $x = 324 - 293 = 31$

S46. Ans.(a)
Sol.

$784 - x^2 = 343 + 225$
$x^3 = 784 - 568 = 216$
$x = 6$

S47. Ans.(d)
Sol.

$298 - 169 - 8 = x \times 11$
$121 = x \times 11$
$x = 11$

S48. Ans.(c)
Sol.

$9 + \dfrac{18}{5x} = 12 \Rightarrow \dfrac{18}{5x} = 3$
$\Rightarrow x = 1.2$

S49. Ans.(b)
Sol. $x \times 3 + 16 = 81 + 7$
$\Rightarrow 3x = 72$
$\Rightarrow x = 24$

S50. Ans.(a)
Sol.

$\Rightarrow \dfrac{3x}{8} = 8 \times 12$
$\Rightarrow 3x = 64 \times 12$
$\Rightarrow x = 256$

S51. Ans.(c)
Sol.

$\Rightarrow \dfrac{136}{4} \times x = \dfrac{85}{10} \Rightarrow x = \dfrac{85 \times 4}{10 \times 136} = \dfrac{1}{4} = 0.25$

S52. Ans.(e)
Sol.

$\Rightarrow \dfrac{1836}{9x} = 12$
$\Rightarrow x = \dfrac{1836}{12 \times 9}$
$\Rightarrow x = 17$

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S53. Ans.(c)
Sol.
Let the present age of A and B be 3x and 2x years respectively
ATQ
$$\frac{3x + 4}{2x + 4} = \frac{10}{7}$$
$x = 12$
Present age of B=24 yr

S54. Ans.(b)
Sol.
Let radius of circle A be r cm
ATQ
$2\pi r - 2r = 90$
$r = 21\ cm$
Radius of circle B=14 cm
Area of circle B= 616 cm²

S55. Ans.(b)
Sol.
Let the number of girls be x
Then, boys= x+4
ATQ
x+4+x=40
x=18
total weight of all students= $40 \times 42.5 = 1700kg$
total weight of girls=$18 \times 48 = 864\ kg$
weight of all boys=1700-864=836 kg
average weight of all boys=$\frac{836}{22}$=38 kg

S56. Ans.(a)
Sol.
I. $8x^2+6x+1=0$
         $\Rightarrow 8x^2+4x+2x +1=0$
         $\Rightarrow (4x+1)(2x+1)=0$
         $x=-\frac{1}{4}, -\frac{1}{2}$
II. $3y^2+7y+2=0$
         $\Rightarrow y=-2, -\frac{1}{3}$
         No relation

S57. Ans.(a)
Sol.
I. $x^2=196$
         $x=-14,14$
II. $y^2-26y+169=0$
         $\Rightarrow y=13$
         No relation

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S58. Ans.(a)
Sol.
I. $9x^2-12x+4=0$
       $\Rightarrow 9x^2-6x-6x+4=0$
       $x=\frac{2}{3},\frac{2}{3}$
II. $8y^2-9y+1=0$
       $\Rightarrow y=1,\frac{1}{8}$
       No relation

S59. Ans.(e)
Sol.
I. $x^2-15x+56=0$
       $x=8,7$
II. $y=\sqrt[3]{512}$
       $\Rightarrow y=8$
       $y>=x$

S60. Ans.(c)
Sol.
I. $3x^2+10x+8=0$
       $x=-2,-\frac{4}{3}$
II. $2y^2+3y+1=0$
       $\Rightarrow y=-1,-\frac{1}{2}$
       $y>x$

S61. Ans.(e)
Sol.
Let the salary of man be Rs x
Amount given to mother=0.85x
ATQ
$0.85x \times 0.90 = 30,600$
$x = Rs\ 40,000$

S62. Ans.(a)
Sol.
Let number of correct questions be x
Then, incorrect question=(58-x)
ATQ
$x \times 7 - (58 - x) \times 4 = 263$
$x = 45$

S63. Ans.(c)
Sol.
Let the total population of that city be 100x
Then literate population= 68x
Literate male=$68x \times \frac{11}{17} = 44x$
Literate female=24x
Illiterate population= 32x
Illiterate female=$32x \times \frac{1}{4} = 8x$
Required ratio=$\frac{24x}{8x}$=3:1

S64. Ans.(d)
Sol.
Let the length and breadth of that rectangle be 4x and 3x cm respectively
ATQ
$4x \times 3x = 108$
$x = 3\ cm$
Breadth=9 cm
Area of square= 81 cm^2

S65. Ans.(e)
Sol.
Let the efficiency of A and B be 3x and 2x unit/day respectively
Efficiency of C=6x units/day
Total work=$\frac{12}{5} \times 2 \times 5x = 24x\ units$
Required time=$\frac{24x}{9} = 2\frac{2}{3} days$

S66. Ans.(b)
Sol.
Required ratio
$= \frac{28 + 60}{38 + 29} = \frac{88}{67}$

S67. Ans.(e)
Sol.
Required average
$= \frac{35 + 48 + 55}{3} = \frac{138}{3} = 46$

S68. Ans.(c)
Sol.
Required percentage
$= \frac{(44 + 30)}{(35 + 65)} \times 100 = \frac{74}{100} \times 100 = 74\%$

S69. Ans.(a)
Sol. Total cakes sold on Monday = 38 + 60 + 40 + 24 + 29 = 191
Total cakes sold on Tuesday = 46 + 54 + 55 + 44 + 30 = 229
Difference = 229 – 191 = 38

S70. Ans.(d)
Sol.
No. of cakes of type F = $\frac{125}{100} \times (50 + 42 + 24 + 44)$
$= \frac{5}{4} \times 160$
$= 200$

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S71. Ans.(c)
Sol. The answer to the question can be derived from the third and fourth sentences of the first paragraph which is '*Employees want to work from anywhere. Companies that want to attract and retain top talent, and ensure teams are highly productive, need to adapt their culture and technology to accommodate this shift in attitudes*'.
Hence, the statement (III) or option (c) is the correct answer.

S72. Ans.(b)
Sol. The recent shift in attitudes of employees is that they want to work from anywhere. Companies can accommodate this shift in attitude by enabling secure and remote collaboration so that work from anywhere could be enabled. The answer can also be inferred from the first paragraph, especially the last sentence of the first paragraph.
Hence, option (b) is the correct answer.

S73. Ans.(e)
Sol. The latest preference of employees for working styles is to *work from anywhere*. The answer to the question can be derived from the last third sentence of the second paragraph: 'The survey results also provide insights into some of the concerns among companies in moving forward with the anywhere working model. *Two significant concerns are a lack of trust and the perception that employees are not working as hard when they are not in the office*'.
Hence, option (e) is the correct answer.

S74. Ans.(b)
Sol. The latest preference of employees for style of working, as discussed in the passage, is *working from anywhere*. The companies can overcome their concerns for the *working from anywhere* model through, as mentioned in the first sentence of the third paragraph, 'presenteeism'. Meaning that the workers are measured by output and not by the hours they have worked.
Hence, option (b) is the correct answer.

S75. Ans.(a)
Sol. The answer to the question can be derived from the first sentence of the fourth paragraph '*91% of those surveyed agreed that technology is a key factor in improving relationships and fostering better teamwork*'. From the highlighted sentence, it could be inferred that the 91% of those surveyed agreed that investing in technology would solve the lack of trust and perception concerns.
Hence, option (a) is the correct answer.

S76. Ans.(d)
Sol. fostering [foster, verb] means '*encourage the development of (something, especially something desirable*);
asserting [assert, verb] means '*state a fact or belief confidently and forcefully*';
focusing [focus, verb] means '*adapt to the prevailing level of light and become able to see clearly*';
collaborating [collaborate, verb] means '*work jointly on an activity or project*';
encouraging [encourage, verb] means '*give support, confidence, or hope to (someone)*';
admitting [admit, verb] means '*confess to be true or to be the case*';
From above, it could be understood that the word '*encourage*' has the meaning which is SIMILAR to the meaning of the work '*foster*'.
Hence, option (d) is the correct answer.

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S77. Ans.(d)
Sol. The final sequence we get is ECABD.
Sentence B is the FOURTH sentence of the final sequence.
The option (d) is the correct answer.
The sentence (E) introduces the theme of the paragraph which is discussing dying of cricket in India. So, the sentence (E) should be the first sentence of the paragraph.
Though, both sentences (A) and (B) take the information presented in the sentence (C) forward, it is more coherent for the sentence (A) to follow the sentence (C). And it is more coherent for the sentence (B) to follow the sentence (A). The sentence (D) is an appropriate concluding sentence as it provides the reason for the downfall of the cricket.
So, the final sequence we get is ECABD and the option (d) is the correct answer.

S78. Ans.(a)
Sol. The final sequence we get is ECABD.
Sentence E is the FIRST sentence of the final sequence.
The option (a) is the correct answer.
The sentence (E) introduces the theme of the paragraph which is discussing dying of cricket in India. So, the sentence (E) should be the first sentence of the paragraph.
Though, both sentences (A) and (B) take the information presented in the sentence (C) forward, it is more coherent for the sentence (A) to follow the sentence (C). And it is more coherent for the sentence (B) to follow the sentence (A). The sentence (D) is an appropriate concluding sentence as it provides the reason for the downfall of the cricket.
So, the final sequence we get is ECABD and the option (a) is the correct answer.

S79. Ans.(c)
Sol. The final sequence we get is ECABD.
Sentence C is the SECOND sentence of the final sequence.
The option (c) is the correct answer.
The sentence (E) introduces the theme of the paragraph which is discussing dying of cricket in India. So, the sentence (E) should be the first sentence of the paragraph.
Though, both sentences (A) and (B) take the information presented in the sentence (C) forward, it is more coherent for the sentence (A) to follow the sentence (C). And it is more coherent for the sentence (B) to follow the sentence (A). The sentence (D) is an appropriate concluding sentence as it provides the reason for the downfall of the cricket.
So, the final sequence we get is ECABD and the option (c) is the correct answer.

S80. Ans.(b)
Sol. The final sequence we get is ECABD.
Sentence A is the THIRD sentence of the final sequence.
The option (b) is the correct answer.
The sentence (E) introduces the theme of the paragraph which is discussing dying of cricket in India. So, the sentence (E) should be the first sentence of the paragraph.
Though, both sentences (A) and (B) take the information presented in the sentence (C) forward, it is more coherent for the sentence (A) to follow the sentence (C). And it is more coherent for the sentence (B) to follow the sentence (A). The sentence (D) is an appropriate concluding sentence as it provides the reason for the downfall of the cricket.
So, the final sequence we get is ECABD and the option (b) is the correct answer.

S81. Ans.(d)
Sol. The final sequence we get is ECABD.
Sentence D is the FIFTH sentence of the final sequence.
The option (d) is the correct answer.
The sentence (E) introduces the theme of the paragraph which is discussing dying of cricket in India. So, the sentence (E) should be the first sentence of the paragraph.
Though, both sentences (A) and (B) take the information presented in the sentence (C) forward, it is more coherent for the sentence (A) to follow the sentence (C). And it is more coherent for the sentence (B) to follow the sentence (A). The sentence (D) is an appropriate concluding sentence as it provides the reason for the downfall of the cricket.
So, the final sequence we get is ECABD and the option (d) is the correct answer.

S82. Ans.(c)
Sol. Among the highlighted words the misspelt word is "resonable". However, the precise spelling of the word is "REASONABLE" and it means having sound judgment; fair and sensible.. All the other words have been spelt correctly and are in appropriate grammatical syntax. Hence, option (c) is the most suitable answer choice.

S83. Ans.(b)
Sol. Among the highlighted words the misspelt word is "judgemants". However, the precise spelling of the word is "JUDGMENTS" and it means the ability to make considered decisions or come to sensible conclusions. All the other words have been spelt correctly and are in appropriate grammatical syntax. Hence, option (b) is the most suitable answer choice.

S84. Ans.(a)
Sol. Among the highlighted words the misspelt word is "expriments". However, the precise spelling of the word is "EXPERIMENTS" and it means perform a scientific procedure, especially in a laboratory, to determine something. All the other words have been spelt correctly and are in appropriate grammatical syntax. Hence, option (a) is the most suitable answer choice.

S85. Ans.(e)
Sol. All the highlighted words of the sentence are grammatically correct and contextually meaningful with precise spellings. Since there is no error option (e) becomes the most suitable answer choice.

S86. Ans.(c)
Sol. Combination A-F forms grammatically viable and contextually meaningful sentence as the relevant phrases are of similar context and in appropriate grammatical syntax. The sentence thus formed is, "There is emerging international recognition that women's participation is key to effective climate action".

S87. Ans.(c)
Sol. Combination A-F forms grammatically viable and contextually meaningful sentence as the relevant phrases are of similar context and in appropriate grammatical syntax. The sentence thus formed is,
"Over time, there are changes that take place in the composition of species that constitute an ecological community."

S88. Ans.(d)
Sol. For big companies, there are instances of even the infrastructure getting damaged, Sentence (C) and (F) makes proper combination as a sentence. The increase in MSP for rabi crops comes just ahead of the RBI monetary policy announcement, (A) and (E) makes the perfect match as in sentence.

S89. Ans.(c)
Sol. Only sentence (A) and (D) makes a perfect match as a sentence, India will be the third largest aviation market globally a year sooner.

S90. Ans.(b)
Sol. Combination B-E and C-D successfully form grammatically viable and contextually meaningful sentence as the relevant phrases are of similar context and in appropriate grammatical syntax.

S91. Ans.(b)
Sol. The most appropriate word to fill the blank is "addition" as "in addition to" is phrase which is used for saying that something extra exists or is happening together with the thing that you are talking about. All the other words fail to form a comprehensive sentence. Hence, option (b) is the most suitable answer choice.
Computation means the action of mathematical calculation.
Aftermath means the consequences or after-effects of a significant unpleasant event.

S92. Ans.(d)
Sol. The most appropriate word to fill the blank is "insists". "insists" is a verb which means persist in (doing something). Some of the other words however may seem contextually meaningful yet they are grammatically incorrect. Hence, option (d) is the most suitable answer choice.
Conserves means protect (something, especially something of environmental or cultural importance) from harm or destruction.
Urge means try earnestly or persistently to persuade (someone) to do something.

S93. Ans.(c)
Sol. The most appropriate word to fill the blank is "regular". "regular" means recurring at uniform intervals. Since the sentence is describing about the matching of quality of the product with the customer's need, the next part of the sentence should complement the earlier part. Therefore all the other words become contextually incorrect. Hence, option (c) is the most appropriate answer choice.
Interrupted means stop the continuous progress of (an activity or process).
Reduced means make smaller or less in amount, degree, or size.
Conditional means subject to one or more conditions or requirements being met

S94. Ans.(a)
Sol. The most appropriate word to fill the blank is "stole". "Stole" means take (another person's property) without permission or legal right and without intending to return it. All the other words are grammatically and contextually correct.

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S95. Ans.(a)
Sol. The most appropriate word to fill the blank is "programming" as it means the process of scheduling something. All the other words become contextually incorrect. Hence, option (c) is the most appropriate answer choice.
Schedule means a plan for carrying out a process or procedure, giving lists of intended events and times.
Arrange means put (things) in a neat, attractive, or required order.

S96. Ans.(e)
Sol. The sentence is grammatically correct.

S97. Ans.(a)
Sol. 'Has prepared to' will not be used , instead 'was prepared to' will be used because the given sentence is in indirect narration in which reporting verb 'declared' is in past tense and because of which reported speech will also be in past tense.

S98. Ans.(d)
Sol. Instead of '*appreciate*' in the highlighted part, '***appreciated***' would be used. In passive voice, '***to be [is/are/am/was/were/be//being/been] + V3*** form is always used.
Hence, the option (d) is the correct answer.

S99. Ans.(b)
Sol. Curtail means reduce in extent or quantity; impose a restriction on.

S100. Ans.(e)
Sol. Clam up means to refuse to speak.