

REASONING ABILITY

Solutions (1-5):

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

S1. Ans.(d)

S2. Ans.(b)

S3. Ans.(a)

S4. Ans.(d)

S5. Ans.(a)

Solutions (6-8):

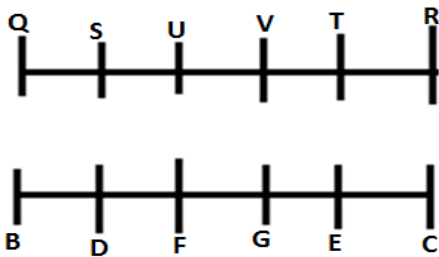
$B > E > A > F > C > D$

S6. Ans.(b)

S7. Ans.(c)

S8. Ans.(d)

Solutions (9-13):



S9. Ans.(c)


S10. Ans.(b)

S11. Ans.(d)

S12. Ans.(b)

S13. Ans.(e)



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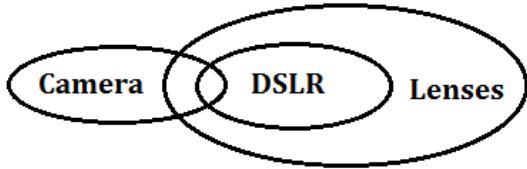
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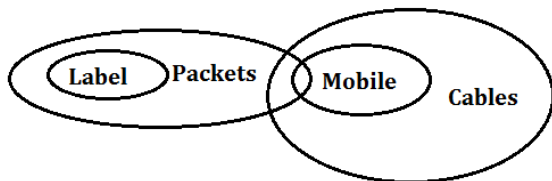
S14. Ans.(b)

Sol.



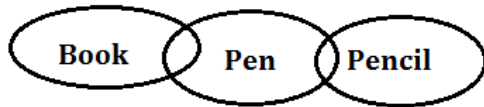
S15. Ans.(d)

Sol.

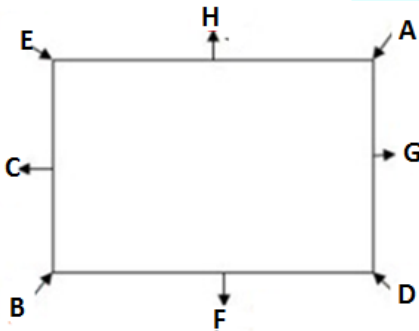


S16. Ans.(d)

Sol.



Solutions (17-21):



S17. Ans.(b)

S18. Ans.(a)

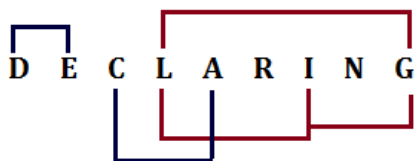
S19. Ans.(d)

S20. Ans.(a)

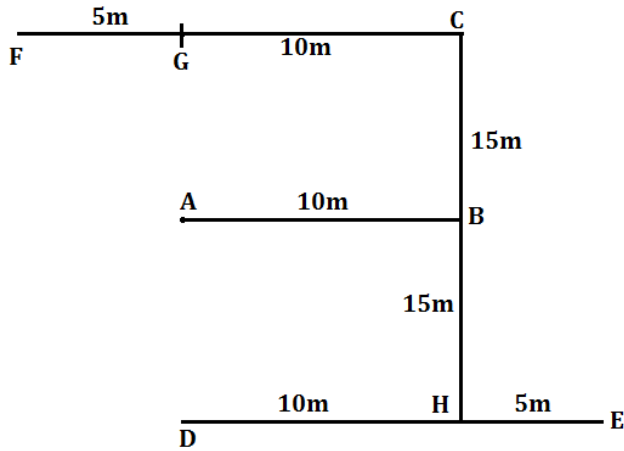
S21. Ans.(d)

S22. Ans(d)

Sol.



Solutions (23-25):



S23. Ans.(c)

S24. Ans.(a)

S25. Ans.(d)

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)

Sol.

TAP	NOT	MAT	PQR	STB
SBO	MPS	LBS	OPQ	RSA



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

S31. Ans.(e)**S32. Ans.(c)****S33. Ans.(d)****S34. Ans.(d)****S35. Ans.(a)****QUANTITATIVE APTITUDE****S36. Ans.(d)****Sol.**

$$\begin{array}{ccccccccc}
 & & & & (130) & & & & \\
 200 & & 193 & & 179 & & 158 & & ? & & 95 \\
 \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \\
 & 7 & & 14 & & 21 & & 28 & & 35 &
 \end{array}$$

S37. Ans.(a)**Sol.**

$$\begin{array}{ccccccccc}
 & & & & (163) & & & & \\
 3 & & 43 & & 81 & & 115 & & 143 & & ? \\
 \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \\
 & 40 & & 38 & & 34 & & 28 & & 20 & \\
 & -2 & & -4 & & -6 & & -8 & & &
 \end{array}$$

S38. Ans.(b)**Sol.**

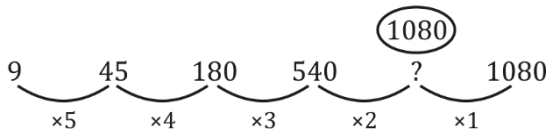
$$\begin{array}{ccccccccc}
 & & & & (154) & & & & \\
 1 & & 6 & & 25 & & 76 & & 153 & & ? \\
 \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \\
 & \times 5+1 & & \times 4+1 & & \times 3+1 & & \times 2+1 & & \times 1+1 &
 \end{array}$$

S39. Ans.(b)**Sol.**

$$\begin{array}{ccccccccc}
 & & & & (72) & & & & \\
 50 & & 54 & & 45 & & 61 & & 36 & & ? \\
 \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \underbrace{\hspace{1.5em}} & \\
 & 4 & & -9 & & 16 & & -25 & & 36 & \\
 & +2^2 & & -3^2 & & +4^2 & & -5^2 & & +6^2 &
 \end{array}$$

S40. Ans.(c)

Sol.



S41. Ans.(b)

Sol. Let the speed of boat in still water be x km/hr

ATQ

$$x + 3 + x - 3 = 36$$

$$x = 18$$

$$\text{Required time} = \frac{52.5}{21} = 2.5 \text{ hr}$$

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. $\sqrt{293 + x} = 18$

$$\text{Or, } 293 + x = 324$$

$$\text{Or, } x = 324 - 293 = 31$$



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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.

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

$$\Rightarrow x = 1.2$$

S49. Ans.(b)

Sol. $x \times 3 + 16 = 81 + 7$

$$\Rightarrow 3x = 72$$

$$\Rightarrow x = 24$$

S50. Ans.(a)

Sol.

$$\Rightarrow \frac{3x}{8} = 8 \times 12$$

$$\Rightarrow 3x = 64 \times 12$$

$$\Rightarrow x = 256$$

S51. Ans.(c)

Sol.

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

S52. Ans.(e)

Sol.

$$\Rightarrow \frac{1836}{9x} = 12$$

$$\Rightarrow x = \frac{1836}{12 \times 9}$$

$$\Rightarrow x = 17$$

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

$$2\pi r - 2r = 90$$

$$r = 21 \text{ cm}$$

Radius of circle B=14 cm

Area of circle B= 616 cm^2 **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 = $40 \times 42.5 = 1700 \text{ kg}$ total weight of girls= $18 \times 48 = 864 \text{ kg}$ weight of all boys= $1700 - 864 = 836 \text{ kg}$ average weight of all boys = $\frac{836}{22} = 38 \text{ kg}$ **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

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




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S59. Ans.(e)

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

$x = 8, 7$

II. $y = \sqrt[3]{512}$

$\Rightarrow y = 8$

$y \geq x$

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

$0.85x \times 0.90 = 30,600$

$x = \text{Rs } 40,000$

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

$4x \times 3x = 108$

$x = 3 \text{ cm}$

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

$$\text{Total work} = \frac{12}{5} \times 2 \times 5x = 24x \text{ units}$$

$$\text{Required time} = \frac{24x}{9} = 2\frac{2}{3} \text{ days}$$

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 = $\frac{125}{100} \times (50 + 42 + 24 + 44)$

$$= \frac{5}{4} \times 160 = 200$$

ENGLISH LANGUAGE
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.

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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.

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)

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.



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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 “experiments”. 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.

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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.

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.



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