

IBPS Clerk Prelims Memory Based Mock 2021 (Based on 12th December) (Solutions)

S1. Ans.(d)

Sol. "A large number of" is a plural noun, thus, it follows plural verb. Hence, "contributes" must be replaced with "contribute". Note, "the number of" is a singular noun.

S2. Ans.(d)

Sol. In part D, "clear" must be replaced with "clarity". Here noun form of the word should be used thus clarity is the right choice.

S3. Ans.(a)

Sol. Here in "was" must be replaced with "were". In unreal conditions, i.e., the sentence that doesn't reflect reality if clause should be used, and if the verb in the if clause is "to be," use "were," even if the subject of the clause is a third person singular subject (i.e., he, she, it). This will be followed by auxiliary verb such as "would" in

S4. Ans.(b)

Sol. "jury" is a collective noun followed by a singular verb. "has" must be replaced with "have".

S5. Ans.(b)

Sol. "to" should not be used after "had" as "had" is followed by Bare Infinitive. ... ashad sooner etc.

S6. Ans.(c)

Sol. "latter" should be replaced with "later". Later, latest refer to time, latter and last refer to position.

S7. Ans.(b)

Sol. Sentence (C) will be the introductory sentence as it best presents the theme of the paragraph which is a black hole. The next sentence is (B) as it mentions the feature of a black hole. Further, sentence (B) will be followed by sentence (D) as it further describes when this compression happens which is mentioned in the sentence (B) as well. Now, sentence (D) will be followed by sentence (A) as it further describes the second feature of the black hole that no light can come out of it. Further, sentence (A) will be followed by sentence (E) as it describes the usage of space telescope with special tools to see these black holes. Therefore, the correct rearrangement of the given sentences would be "CBDAE".



S8. Ans.(d)

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S9. Ans.(c)

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**S11. Ans.(a)**

Sol. Sentence (C) will be the introductory sentence as it best presents the theme of the paragraph which is a black hole. The next sentence is (B) as it mentions the feature of a black hole. Further, sentence (B) will be followed by sentence (D) as it further describes when this compression happens which is mentioned in the sentence (B) as well. Now, sentence (D) will be followed by sentence (A) as it further describes the second feature of the black hole that no light can come out of it. Further, sentence (A) will be followed by sentence (E) as it describes the usage of space telescope with special tools to see these black holes. Therefore, the correct rearrangement of the given sentences would be "CBDAE".

S12. Ans.(b)

Sol. Among the given statements, only option (b) is correct with reference to the context of the given question. While the rest of the statements are incorrect as the major objective to undertake the socialization process in orientation programs is to help the new employee adjust to his or her new surroundings. Hence, option (b) is the right answer choice.

Refer to the eighth line of the first paragraph, "Orientation programs start off the socialization process and help the new employee fit into his or her new surroundings."

S13. Ans.(e)

Sol. Among the given statements, both (a) and (c) are correct with reference to the context of the given question. While statement (b) is completely incorrect. Hence, option (e) is the right answer choice.

Refer to the last lines of the first paragraph, "New employee orientation programs occur during a period of high anxiety and stress while training takes place when these potentially harmful feelings have most likely been resolved. A great deal of time and money is spent every year socializing and technically training employees."

S14. Ans.(c)

Sol. On reading the second paragraph thoroughly, we can infer that all of the given statements are correct based on the information provided. Hence, option (c) is the right answer choice.

S15. Ans.(d)

Sol. Among the given statements, only (a) and (b) are correct with reference to the context of the given question. While statement (c) is incoherent as it is not the primary objective behind the investment of time and money by most of the organizations. Hence, option (d) is the right answer choice.

Refer to the mid-lines
consumes time and money
development of its employees
where they can succeed

**S16. Ans.(d)**

Sol. The concerned sentence states that the company is committed to the development of its employees by putting them in a position where they can succeed. This is done by providing them with the necessary training and resources. Hence, option (d) is the right answer choice.

- (a) confiscation- the action of taking or seizing someone's property with authority; seizure.
- (b) requisition- demand the use or supply of (something) by official order.
- (c) distraint- the seizure of someone's property in order to obtain payment of money owed.
- (e) amusement- the state or experience of finding something funny.

S17. Ans.(e)

Sol. All of the given statements are completely correct based on the information provided in the given passage. Thus, there is no incorrect statement given in the options. Hence, option (e) is the right answer choice.

Refer to the last lines of the third paragraph, "Japanese firms hire almost entirely at the entry-level. This is done so that the new arrival can be properly trained and socialized into the organization to be a good fit. The length of this process can vary from six months to three years, whereas in many western organizations a new employee merely completes the required HR paperwork and is then suddenly expected to execute the role for which he or she was hired."

S18. Ans.(d)

Sol. Among the given words, 'chipper' is the most appropriate antonym of the highlighted word. The word 'stale' means 'no longer new and interesting'. While 'chipper' means 'cheerful and lively'. Hence, option (d) is the right answer choice.

(a) noxious- harmful, poisonous, or very unpleasant.

(b) virulent- (of a disease or poison) extremely severe or harmful in its effects.

(c) rancid- highly unpleasant; repugnant.

S19. Ans.(b)

Sol. Among the given options, 'execute' is the most appropriate synonym of the highlighted word and is closely relevant to the meaning of the concerned sentence. The word 'run' in the given sentence means 'be in or cause to be in operation; function or cause to function'. Hence, option (b) is the right answer choice.

(a) hasten- be quick to do something.

(b) execute- put (a plan, order, or course of action) into effect.

(c) cascade- pass (something) from one thing to another

(d) expedite- make (an action or process) happen more quickly.

S20. Ans.(a)

Sol. Here, "enviroments" must be replaced with "envire"

S21. Ans.(b)

Sol. Here, "brech" must be replaced with "breach" which means "a failure to observe or fulfill an obligation, a law, etc."

S22. Ans.(a)

Sol. "stending" must be replaced with "standing"

S23. Ans.(d)

Sol. "attandance" must be replaced with "attendance".

S24. Ans.(e)

Sol. All words are correct, hence required no change.

S25. Ans.(a)

Sol. "suts" must be replaced with "suits".

S26. Ans.(c)

Sol. The correct arrangement for the given sentence will be BDAC. Therefore the sentence will be "When the Right to Education Act was promulgated over a decade ago, it seemed like a breakthrough."



S27. Ans.(d)

Sol. The correct arrangement for the given sentence will be DACB. Therefore the sentence will be "Agriculture is a sector that today demands even greater efficiency thus it relies on the use of agriculture technologies."

S28. Ans.(d)

Sol. The correct arrangement for the given sentence will be ACBD. Therefore the sentence will be "Monitoring of student behavior often extends beyond schoolwork and normal school hours."

S29. Ans.(a)

Sol. The correct arrangement for the given sentence will be DCBA. Therefore the sentence will be "Researchers and philosophers have explored in great detail the emotional dramas of love and family."

S30. Ans.(b)

Sol. The correct arrangement for the given sentence will be BDAC. Therefore the sentence will be "Poverty is said to exist when people lack the means to satisfy their basic needs."

S31. Ans.(b)

Sol.

Let present age of A = a years

So, present age of B = b years

$$\therefore a + b = 18 \times 2 = 36 \dots(i)$$

ATQ,

$$a + 6 = 2(b + 6)$$

$$\Rightarrow a - 2b = 6 \dots(ii)$$

Solving eq. (i) and (ii), we get

$$a = 26 \text{ years, } b = 10 \text{ years}$$

$$\text{Required difference} = 26 - 10 = 16 \text{ years}$$



S32. Ans.(d)

Sol.

$$X = \frac{5000 \times 100}{8 \times 5} = 12500 \text{ Rs.}$$

$$\text{Required compound interest} = 12500 \left[\left(1 + \frac{8}{100} \right)^2 - 1 \right] = 2080 \text{ Rs.}$$

S33. Ans.(e)

Sol.

$$\text{Actual journey time} = \frac{20}{5} = 4 \text{ hours}$$

$$\text{New journey time} = \frac{2}{5} \times 4 = 1.6 \text{ hour}$$

$$\text{New speed} = \frac{20}{1.6} = 12.5 \text{ kmph}$$

$$\text{Required percentage} = \frac{12.5 - 5}{5} \times 100 = 150\%$$

S34. Ans.(d)

Sol.

Total capacity of tank be 20 liters. (LCM of 5 & 4)

So, efficiency of pipe - A = $\frac{20}{5} = 4$ liters/hour

And, efficiency of pipe - B = $\frac{20}{4} = 5$ liters/hour

So, efficiency of pipe - C = $(4 + 5) \times \frac{2}{9} = 2$ liters/hour

Required time = $\frac{20}{2} = 10$ hours

S35. Ans.(b)

Sol.

Let efficiency of C be $5x$ units/day

So, efficiency of A = $\frac{140}{100} \times 5x = 7x$ units/day

And, efficiency of B = $\frac{150}{100} \times 7x = 10.5x$ units/day

Now, total work = $(7x + 5x) \times 45 = 540x$ units

Required days = $\frac{540x}{7x+10.5x+5x} = 24$ days

S36. Ans.(c)

Sol.

ATQ -

$$45 \times \frac{x}{100} = 60 \times \frac{y}{100}$$

$$3x = 4y \dots \dots \dots (i)$$

$$\text{And } \frac{x+y}{2} = x - 20$$

$$x - y = 40 \dots \dots \dots (ii)$$

From (i) and (ii)

$$y = 120$$

$$60\% \text{ of } y = 120 \times \frac{60}{100} = 72$$

S37. Ans.(d)

Sol.

Let total investment of P = x Rs.

So, total investment of Q = $(6400 - x)$ Rs.

Given, time for A & B invested be 12 months and 9 months respectively

ATQ -

$$\frac{x \times 12}{(6400 - x) \times 9} = \frac{1600}{3600 - 1600}$$

$$20x = 76800 - 12x$$

$$32x = 76800$$

$$x = 2400 \text{ Rs.}$$

So, investment of Q = $(6400 - 2400) = 4000$ Rs.



S38. Ans.(d)

Sol.

Initial quantity of milk in the vessel = $\frac{9}{16} \times 64 = 36$ liters

Initial quantity of water in the vessel = $\frac{7}{16} \times 64 = 28$ liters

ATQ,

$$\frac{36+x}{28} = \frac{7}{4}$$

$$144 + 4x = 196$$

$$x = 13$$

S39. Ans.(b)

Sol.

Let marked price of the article be Rs.100p.

So, selling price of the article = $100p \times \frac{85}{100} \times \frac{80}{100} = \text{Rs.}68p$

And, cost price of the article = $68p \times \frac{100}{102} = \text{Rs.} \frac{200p}{3}$

ATQ,

$$100p - 68p = 192$$

$$x = 6 \text{ Rs.}$$

$$\text{Required cost price} = \frac{200p}{3} = \frac{200 \times 6}{3} = \text{Rs.}400$$

S40. Ans.(b)

Sol.

Let the number of the people in the group initially = x

$$\text{ATQ, } 36x - 48 = (36 - 1) \times (x - 1)$$

$$x = 13$$

S41. Ans.(d)

Sol.

Let speed of train A & = 5s m/s

So, speed of train B = $5s \times \frac{120}{100} = 6s \text{ m/s}$

ATQ -

$$(5s + 6s) = \frac{(720+600)}{24}$$

$$11s = 55$$

$$s = 5$$

So, speed of train B (in km/hr) = $6 \times 5 \times \frac{18}{5} = 108 \text{ km/hr}$

S42. Ans.(c)

Sol.

Let breadth of rectangle = b meters

ATQ -

$$2(25 + b) = 4.5b$$

$$2.5b = 50$$

$$b = 20 \text{ meters}$$

Required area = $25 \times 20 = 500$ meter square

S43. Ans.(c)

Sol.

Let initial income & savings of man be Rs. $16x$ & Rs. $3x$ respectively.

$$\text{Expenditure} = 16x - 3x = \text{Rs. } 13x$$

$$\text{New savings} = 3x + \frac{1}{3} \times 3x = \text{Rs. } 4x$$

$$\text{New expenditure} = 13x + \frac{1}{2} \times 13x = \text{Rs. } 19.5x$$

$$\text{New income of man} = 19.5x + 4x = \text{Rs. } 23.5x$$

$$\text{Required ratio} = 23.5x : 16x = 47:32$$

S44. Ans.(a)

Sol.

$$\text{Interest received by man} = \frac{3}{20} \times 25000 = \text{Rs. } 3750$$

$$\text{Required rate} = 25000 \times \frac{R \times 3}{100} = 3750$$

$$R = \frac{3750}{250 \times 3} = 5\%$$

S45. Ans.(d)

Sol.

Speed of boat in still water = 6 km/h

Speed of current = 2 km/h

Given, Upstream time = Downstream time + 4

$$\frac{D}{4} = \frac{D}{8} + 4$$

$$\frac{D}{4} = \frac{D+32}{8}$$

$$\frac{4}{D} = \frac{8}{D+32}$$

$$\frac{1}{D} = \frac{2}{D+32}$$

$$D = 32 \text{ km}$$

$$\text{Required time} = \frac{32}{6} = 5 \text{ hours } 20 \text{ minutes}$$

S46. Ans.(c)

Sol.

Wrong number = 627

Pattern of series –

$$60 + 1^2 = 61$$

$$61 + 5^2 = 86$$

$$86 + 9^2 = 167$$

$$167 + 13^2 = 336$$

$$336 + 17^2 = 625$$

$$625 + 21^2 = 1066$$

S47. Ans.(d)

Sol.

Wrong number = 224

Pattern of series –

$$1 \times 1 + 0.5 = 1.5$$

$$1.5 \times 2 + 0.5 = 3.5$$

$$3.5 \times 3 + 0.5 = 11$$

$$11 \times 4 + 0.5 = 44.5$$

$$44 \times 5 + 0.5 = 223$$

$$223 \times 6 + 0.5 = 1338.5$$

S48. Ans.(e)

Sol.

Wrong number = 485

Pattern of series –

$$4 \times 2 = 8$$

$$8 \times 3 = 24$$

$$24 \times 4 = 96$$

$$96 \times 5 = 480$$

$$480 \times 6 = 2880$$

$$2880 \times 7 = 20160$$

S49. Ans.(e)

Sol.

Wrong number = 223

Pattern of series –

$$56 + 20 = 76$$

$$76 + 23 = 99$$

$$99 + 26 = 125$$

$$125 + 29 = 154$$

$$154 + 32 = 186$$

$$186 + 35 = 221$$

S50. Ans.(a)

Sol.

Wrong number = 480

Pattern of series –

$$15 \times 6 = 90$$

$$90 \div 3 = 30$$

$$30 \times 6 = 180$$

$$180 \div 3 = 60$$

$$60 \times 6 = 360$$

$$360 \div 3 = 120$$



S51. Ans.(d)

Sol.

$$\frac{36}{100} \times 250 + \frac{26}{2} \times ? = 207$$

$$13 \times ? = 207 - 90$$

$$? = 9$$

S52. Ans.(d)

Sol.

$$\frac{60}{100} \times 150 + \frac{3}{5} \times 360 - ? = 210$$

$$? = 306 - 210$$

$$? = 96$$

S53. Ans.(d)

Sol.

$$120 \times 15 - ? = 256$$

$$? = 1800 - 256$$

$$? = 1544$$

S54. Ans.(a)

Sol.

$$\frac{59}{6} \times 108 = ?$$

$$? = 1062$$

S55. Ans.(c)

Sol.

$$\frac{512}{64 \times 4} + ?^3 = 1730$$

$$? = 12$$



S56. Ans.(d)

Sol.

$$6 \times 19 \times 2.5 - 125 = ?$$

$$? = 160$$

S57. Ans.(e)

Sol.

$$600 + 10 + 15 = ?^2$$

$$? = 25$$

S58. Ans.(a)

Sol.

$$? = 990 - 827$$

$$? = 163$$

S59. Ans.(d)

Sol.

$$5 + ?^3 = 13$$

$$?^3 = 8$$

$$? = 2$$

S60. Ans.(b)

Sol.

$$\sqrt[3]{432 - 1 + 81} = ?$$

$$? = \sqrt[3]{512}$$

$$? = 8$$

S61. Ans.(b)

Sol.

Total number of functions organized in all three halls in month of June

$$= (45 + 40 + 30) = 115$$

Total functions organized in Hall B & C together in month of May

$$= (56 + 64) = 120$$

$$\text{Required percentage} = \frac{120 - 115}{120} \times 100 = 4.16 \approx 4\%$$

S62. Ans.(c)

Sol.

Total number of functions organized by hall A & B in July = $(36 + 42) = 78$

Average number of functions organized by A & B in April = $\frac{(48 + 72)}{2} = 60$

$$\text{Required difference} = 78 - 60 = 18$$

S63. Ans.(d)

Sol.

Total functions organized by hall A & C together in month of August

$$= 60 \times \frac{120}{100} + 80 \times \frac{140}{100}$$

$$= 72 + 112 = 184$$

S64. Ans.(e)

Sol.

$$\text{Required ratio} = \frac{(45 + 30)}{(72 + 75)} = 25 : 49$$

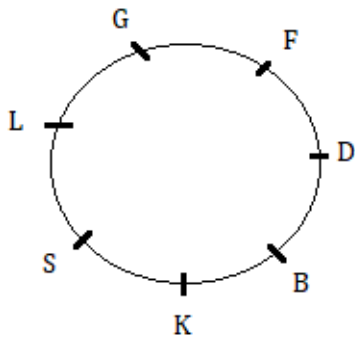
S65. Ans.(c)

Sol.

$$\begin{aligned} \text{Required percentage} &= \frac{(60 + 56) - 80}{80} \times 100 \\ &= \frac{36}{80} \times 100 = 45\% \end{aligned}$$

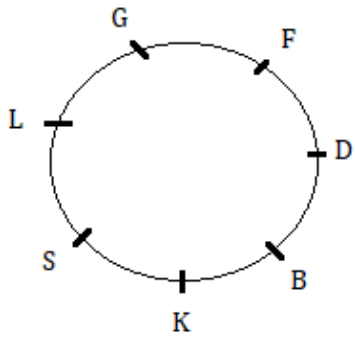
S66. Ans.(c)

Sol.



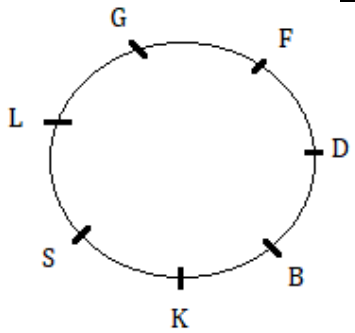
S67. Ans.(b)

Sol.



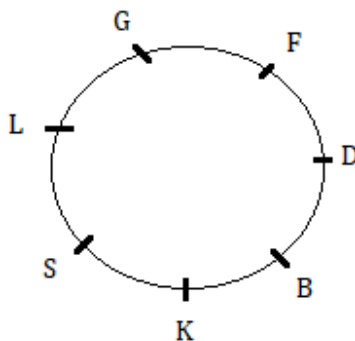
S68. Ans.(b)

Sol.



S69. Ans.(a)

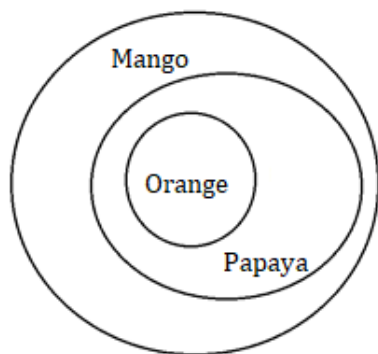
Sol.



S70. Ans.(a)

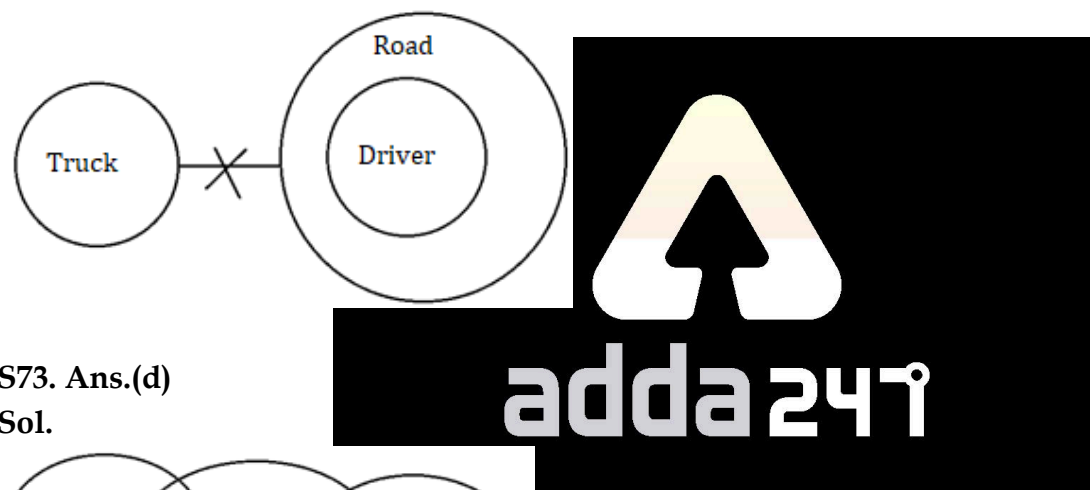
S71. Ans.(b)

Sol.



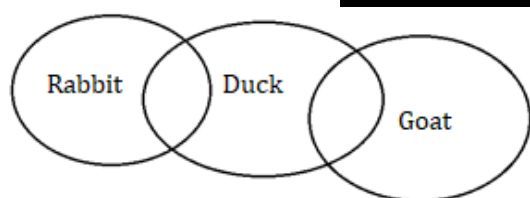
S72. Ans.(d)

Sol.



S73. Ans.(d)

Sol.



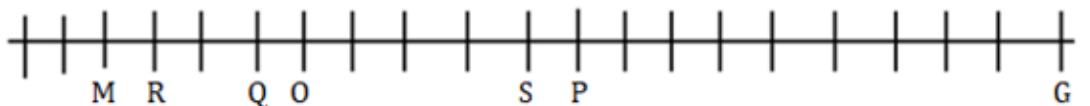
S74. Ans.(b)

Sol.



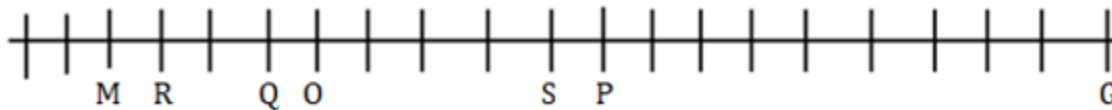
S75. Ans.(c)

Sol.



S76. Ans.(a)

Sol.



S77. Ans.(b)

S78. Ans.(b)

Sol.

Months	Persons
January	P
March	S
April	V
May	T
June	Q
July	U
August	R

S79. Ans.(c)

Sol.

Months	Persons
January	P
March	S
April	V
May	T
June	Q
July	U
August	R



S80. Ans.(d)

Sol.

Months	Persons
January	P
March	S
April	V
May	T
June	Q
July	U
August	R

S81. Ans.(a)

Sol.

Months	Persons
January	P
March	S
April	V
May	T
June	Q
July	U
August	R

S82. Ans.(e)

S83. Ans.(b)

S84. Ans.(b)

S85. Ans.(a)

S86. Ans.(c)

S87. Ans.(d)

Sol.

Floors	Flat P	Flat Q
4	A	H
3	F	D
2	B	E
1	G	C



S88. Ans.(b)

Sol.

Floors	Flat P	Flat Q
4	A	H
3	F	D
2	B	E
1	G	C

S89. Ans.(c)

Sol.

Floors	Flat P	Flat Q
4	A	H
3	F	D
2	B	E
1	G	C

S90. Ans.(a)

Sol.

Floors	Flat P	Flat Q
4	A	H
3	F	D
2	B	E
1	G	C

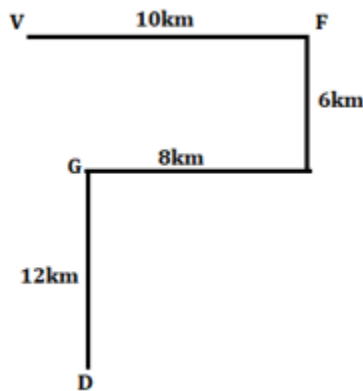
S91. Ans.(e)

Sol.

Floors	Flat P	Flat Q
4	A	H
3	F	D
2	B	E
1	G	C

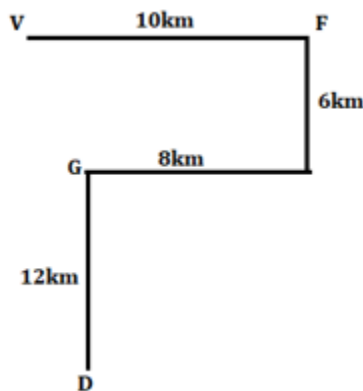
S92. Ans.(c)

Sol.



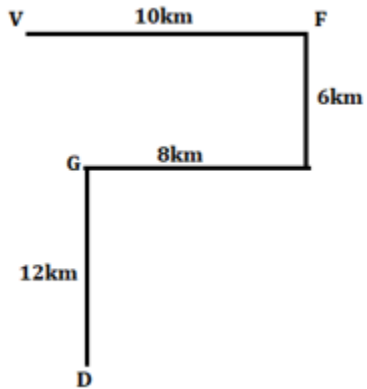
S93. Ans.(d)

Sol.



S94. Ans.(b)

Sol.



S95. Ans.(a)

S96. Ans.(a)

S97. Ans.(b)

S98. Ans.(d)

S99. Ans.(e)

S100. Ans.(c)

Sol. EXPRESSED
DYQSDTTDE



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