

SBI PO Prelims Memory Based Mock 2018 : 12-Nov-2021 (Solutions)

S1.Ans.(b)

Sol. The correct choice is option (b).The phrase “it is little less dependent” must be replaced with “it is much less dependent”. This is so because the quantifier ‘much’ is used in only negative sentences, not positive or affirmative and the above sentence is giving an influence of negative sentence. ‘Little’ is used as an adjective that refers to physical size of one or more countable nouns.

S2.Ans.(b)

Sol. Option (b) is the correct choice. Here ‘as’ is used in the form of conjunction and is used to introduce subordinate clause. The sentence will use “increases by leaps and bounds” because the main clause refers about the forthcoming action to happen in future so the correction will be “the number of tourists increases by leaps and bounds”.

S3.Ans.(d)

Sol. The correct choice is option (d).‘which had been to’ will be replaced by ‘that has been to’. We use ‘which’ with a non-defining clause while ‘that’ is used with a defining clause. Here this is a dependent clause and hence defining so we will be using ‘that has been to’.

S4.Ans.(e)

Sol. The correct choice for the above statement is option (e).The sentence is grammatically correct and there is no correction required.Rest of all the given options are wrong.

S5.Ans.(c)

Sol. The correct choice for the above statement is option (c).‘Laid up’ is grammatically incorrect because it is a transitive verb which means to store up. The sentence will be replaced by ‘are laid down’ as it means to set down the rules or principles. Thus option (c) is the correct choice.

S6.Ans.(b)

Sol. The correct option is (b).‘Being worked for’ must be replaced with ‘having worked for’.The sentence will take the form ‘have-ing +verb form’. ‘Being’ is used in a starting of a sentence when it’s a dependent clause.

S7.Ans.(a)

Sol. ‘Should be moulded’ will be used instead of ‘should have to mould’ because in the statement ‘a budget’ is a subject of passive voice and in passive voice we use Be +Verb(3rd form) .For example,

- (i)The house should be cleaned.
- (ii)A budget should be moulded.

S8.Ans.(b)

Sol. The correct option is (b).‘Drawing a closure’ must be replaced with ‘draw close’.

‘Draw near/close’ means ‘coming close’. ‘Drawing a closure’ means giving a final altogether final ending to something.



S9. Ans.(c)

Sol. The correct option is (c). Since atom and its parts are small the word it will take is 'microscopic'.
Infinitesimal means extremely small.
Kaleidoscopic means having complex patterns of colours; multicoloured.
Intangible means unable to be touched; not having physical presence.

S10. Ans.(a)

Sol. The correct option is (a). The correct set of words are **delete and succinct**. Here to make the essay more briefly and clearly expressed, the word succinct has to be used.
Poignant means evoking a keen sense of sadness or regret.
Abstruse means difficult to understand.
Excise means duty or tax.
Expunge means obliterate or remove completely (something unwanted or unpleasant).
Witty means showing or characterized by quick and inventive verbal humour.

S11. Ans.(d)

Sol. Sophistry is deception through words and turn down is to reject.
Naivete = inexperienced
Deception = deceit through action.

S12. Ans.(c)

Sol. We can only tackle the problem. **Consensus** means similarity in opinion
Convergence on = consensus
Divergence = difference in opinion.

S13. Ans.(c)

Sol. Emerges means comes out. Confusion cannot be derived from the situation. To stem is to stop something, which the sentence is not pointing to. Therefore, options (a) and (b) are incorrect. Option (d) is incorrect as in the second filler 'planning' can't be used.

S14. Ans.(b)

Sol. BDAC. The correct statement is "Dark clouds have been hanging over Thailand's politics for more than a decade now, unleashing a series of crises that have seriously impaired the future of Thai democracy."

S15. Ans.(d)

Sol. CABD. The correct statement is "In this forward looking state of mind, and in our enthusiasm for urban renewal, we may wake up one day to find our historic monuments either bulldozed or crumbling to dust through neglect."

S16. Ans.(c)

Sol. DBAC. The correct statement is "To tamely acquiesce with American demands would mean that India has, in essence, abandoned any pretense of servicing its own geopolitical needs."

S17.Ans.(b)

Sol. DACB. The correct statement is “It is ironical that around the time that government has begun the process of institutionalizing lateral entry into its ranks, we have three large private financial intermediaries headed by former public sector employees.”

S18.Ans.(d)

Sol. BACD. The correct statement is “What is needed is firmness of resolve in committing to reducing plastic usage, imposing responsible behaviour on producers and consumers of plastic, especially at the industry level, and a focussed search for alternatives.”

S19.Ans.(b)

Sol. CBDA. The correct statement is “Religious experience has been a profound phenomenon in human history in terms of holding beliefs, adopting a religious language, and interpreting the mundane and sacred.”

S20. Ans.(d)

Sol. Refer to the third paragraph of the passage, “The foremost factor which engineered the growth in India was emergence of a self-reliant middle class equipped with strong knowledge base with technical qualifications.” Hence option (d) is the correct answer.

S21. Ans.(b)

Sol. Read the last few sentences of the third paragraph carefully, “The initiative largely of its private sector in expanding low-cost air transportation, press, TV and other media penetration ignited awareness amongst all sections of its people of a bright future and thus radically changed their perception, thinking and actions.” Hence option (b) is the correct answer.

S22. Ans.(d)

Sol. Refer to the third paragraph of the passage, “The automobile industry is a classic example, Strong presence of non-resident Indians in the developed countries occupying senior management positions in several multinational corporations built confidence in Indian managerial competence and leadership.” Hence (d) is the correct option.

S23. Ans.(d)

Sol. The word ‘**mounted**’ means climbed. Hence the word ‘climbed’ is most similar in meaning in the context of the word used in the passage.

S24. Ans.(e)

Sol. All the given statements are true in the context of the passage. Read the first and second paragraphs carefully. All three statements are clearly mentioned there.

S25. Ans.(d)

Sol. Refer to the third paragraph of the passage, "In the manufacturing sector, technological innovation, low-cost production, ability to quickly adapt to changes, establishing world class R and D facilities etc., greatly helped in successfully meeting global competition." Hence option (d) is the only incorrect factor that is allocation of funds which did not help India in successfully meeting global competition in the manufacturing sector.

S26. Ans.(b)

Sol. Option (b) is the correct choice.

A and F are complimenting each other. Ledger means a book or other collection of financial accounts. Recorded in F confirms the attachment of part F with A.

S27. Ans.(c)

Sol. Option (c) is the correct choice for the given question.

A-D is perfect as both the parts are perfect contextually. Part D says that something may not be true in reality. The something in part D is given in part A which is our perception of the things.

B-E makes a meaningful sentence because part E is adding the meaning to the subject of part B (Holding onto the idea)

S28. Ans.(c)

Sol. Option (c) is the correct choice for the given question.

A-D-----Behind the reserve of the unempathetic is a fear of running into troubling emotions.

B-E----- We may think of empathy as the business of escaping our normal egoism

S29. Ans.(e)

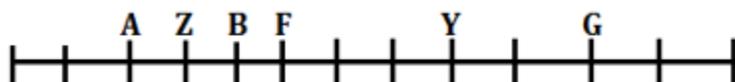
Sol. Option (e) is the correct choice for the given question as all the given pairs make a meaningful sentence.

S30. Ans.(c)

Sol. Option (c) provides the correct pair which forms a meaningful sentence.

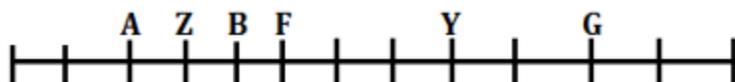
S31. Ans.(b)

Sol.



S32. Ans.(b)

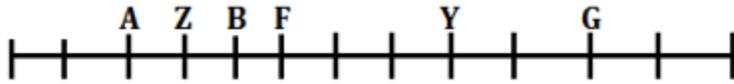
Sol.



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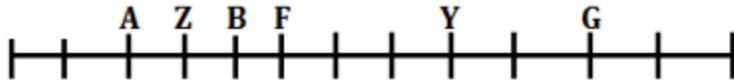
S33. Ans.(d)

Sol.



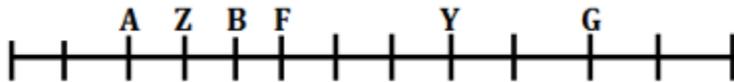
S34. Ans.(c)

Sol.



S35. Ans.(a)

Sol.



S36. Ans.(c)

Sol. In the given input output question, two words are getting arranged in each step as one word is getting arranged from the left end and other word is getting arranged from the right end. All the words are arranged in such a way that the word which comes first is arranged from the left end and the word which comes last according to alphabetical order is arranged from the right end in the first step. The word which comes second according to alphabetical order is arranged from the left end and the word which is second last according to alphabetical order is arranged from the right end in the second step and so on.....

Input: right person exit air under quit like youth ocean copy

Step I: air right person exit under quit like ocean copy youth

Step II: copy air right person exit quit like ocean youth under

Step III: exit copy air person quit like ocean youth under right

Step IV: like exit copy air person ocean youth under right quit

Step V: ocean like exit copy air youth under right quit person

S37. Ans.(d)

Sol. In the given input output question, two words are getting arranged in each step as one word is getting arranged from the left end and other word is getting arranged from the right end. All the words are arranged in such a way that the word which comes first is arranged from the left end and the word which comes last according to alphabetical order is arranged from the right end in the first step. The word which comes second according to alphabetical order is arranged from the left end and the word which is second last according to alphabetical order is arranged from the right end in the second step and so on.....

Input: right person exit air under quit like youth ocean copy

Step I: air right person exit under quit like ocean copy youth

Step II: copy air right person exit quit like ocean youth under

Step III: exit copy air person quit like ocean youth under right

Step IV: like exit copy air person ocean youth under right quit

Step V: ocean like exit copy air youth under right quit person

S38. Ans.(b)

Sol. In the given input output question, two words are getting arranged in each step as one word is getting arranged from the left end and other word is getting arranged from the right end. All the words are arranged in such a way that the word which comes first is arranged from the left end and the word which comes last according to alphabetical order is arranged from the right end in the first step. The word which comes second according to alphabetical order is arranged from the left end and the word which is second last according to alphabetical order is arranged from the right end in the second step and so on.....

Input: right person exit air under quit like youth ocean copy

Step I: air right person exit under quit like ocean copy youth

Step II: copy air right person exit quit like ocean youth under

Step III: exit copy air person quit like ocean youth under right

Step IV: like exit copy air person ocean youth under right quit

Step V: ocean like exit copy air youth under right quit person

S39. Ans.(d)

Sol. In the given input output question, two words are getting arranged in each step as one word is getting arranged from the left end and other word is getting arranged from the right end. All the words are arranged in such a way that the word which comes first is arranged from the left end and the word which comes last according to alphabetical order is arranged from the right end in the first step. The word which comes second according to alphabetical order is arranged from the left end and the word which is second last according to alphabetical order is arranged from the right end in the second step and so on.....

Input: right person exit air under quit like youth ocean copy

Step I: air right person exit under quit like ocean copy youth

Step II: copy air right person exit quit like ocean youth under

Step III: exit copy air person quit like ocean youth under right

Step IV: like exit copy air person ocean youth under right quit

Step V: ocean like exit copy air youth under right quit person

S40. Ans.(c)

Sol. In the given input output question, two words are getting arranged in each step as one word is getting arranged from the left end and other word is getting arranged from the right end. All the words are arranged in such a way that the word which comes first is arranged from the left end and the word which comes last according to alphabetical order is arranged from the right end in the first step. The word which comes second according to alphabetical order is arranged from the left end and the word which is second last according to alphabetical order is arranged from the right end in the second step and so on.....

Input: right person exit air under quit like youth ocean copy

Step I: air right person exit under quit like ocean copy youth

Step II: copy air right person exit quit like ocean youth under

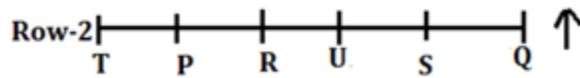
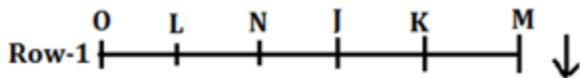
Step III: exit copy air person quit like ocean youth under right

Step IV: like exit copy air person ocean youth under right quit

Step V: ocean like exit copy air youth under right quit person

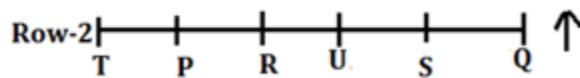
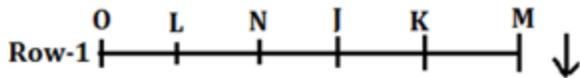
S41. Ans.(d)

Sol.



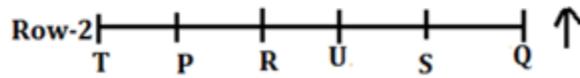
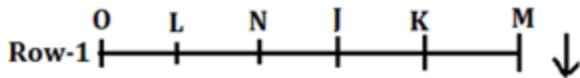
S42. Ans.(c)

Sol.



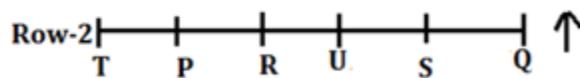
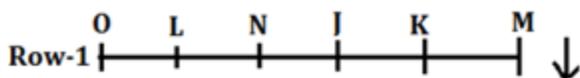
S43. Ans.(b)

Sol.



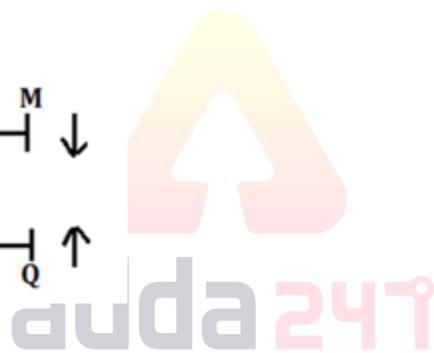
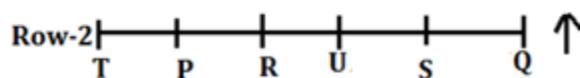
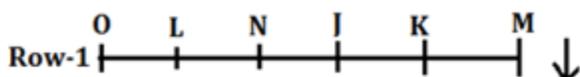
S44. Ans.(d)

Sol.



S45. Ans.(d)

Sol.



S46. Ans.(c)

Sol.

Boxes
A
G
D
H
B
F
E
C

S47. Ans.(c)

Sol.

Boxes
A
G
D
H
B
F
E
C

S48. Ans.(a)

Sol.

Boxes
A
G
D
H
B
F
E
C

S49. Ans.(b)

Sol.

Boxes
A
G
D
H
B
F
E
C



A promotional banner for Adda247. It has a dark blue background with a yellow banner at the top right that says 'Bilingual'. On the left, there is a white circle with a blue dot and a vertical line, resembling a location pin. The main text is in white and yellow: 'Special Offer' in white, 'SBI PO 2021' in white, 'PRELIMS' in yellow, and '40+ TOTAL TESTS' in white on a blue background at the bottom.

S50. Ans.(c)

Sol.

Boxes
A
G
D
H
B
F
E
C

S51. Ans.(d)

Sol. O>Q(171)>R>P(169)>M>N

S52. Ans.(d)

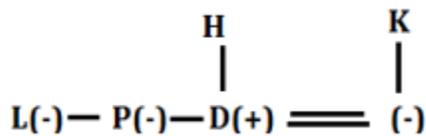
Sol. O>Q(171)>R>P(169)>M>N

S53. Ans.(b)

Sol. O>Q(171)>R>P(169)>M>N

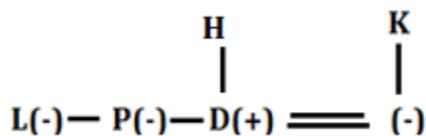
S54. Ans.(d)

Sol.



S55. Ans.(b)

Sol.



S56. Ans.(c)

Sol.



S57. Ans.(d)

Sol.



S58.Ans.(b)

Sol.



S59.Ans.(a)

S60.Ans.(e)

Sol.



S61.Ans.(a)

Sol.

Floor	Person	Subject
7	A	Hindi
6	E	Physics
5	B	English
4	F	Biology
3	C	Maths
2	G	Chemistry
1	D	Economics



S62.Ans.(d)

Sol.

Floor	Person	Subject
7	A	Hindi
6	E	Physics
5	B	English
4	F	Biology
3	C	Maths
2	G	Chemistry
1	D	Economics

S63.Ans.(c)

Sol.

Floor	Person	Subject
7	A	Hindi
6	E	Physics
5	B	English
4	F	Biology
3	C	Maths
2	G	Chemistry
1	D	Economics

S64.Ans.(b)

Sol.

Floor	Person	Subject
7	A	Hindi
6	E	Physics
5	B	English
4	F	Biology
3	C	Maths
2	G	Chemistry
1	D	Economics



S65.Ans.(e)

Sol.

Floor	Person	Subject
7	A	Hindi
6	E	Physics
5	B	English
4	F	Biology
3	C	Maths
2	G	Chemistry
1	D	Economics

S66. Ans.(a)**Sol.**

Share of A in profit = 42 + B's share

$$\therefore \text{B's share} = \frac{358 - 42}{2} = 158$$

A's share = 200

Ratio of profit of A and B = 200 : 158

$$= 100 : 79$$

Ratio of time = 4 : 7

$$\therefore \text{Ratio of capital} = \left(\frac{100}{4}\right) : \left(\frac{79}{7}\right)$$

$$= 175 : 79$$

$$\text{Amount invested by B} = \frac{288}{96} \times 79$$

$$= 237$$

S67. Ans.(b)**Sol.**

Then according to question,

$$\left(x + \frac{x \times 3 \times 12}{100}\right) + \left(x + \frac{x \times 2 \times 12}{100}\right) + \left(x + \frac{x \times 1 \times 12}{100}\right) = 11160$$

$$3x + \frac{x \times 6 \times 12}{100} = 11160$$

$$\frac{372x}{100} = 11160$$

$$x = 3000$$

S68. Ans.(c)**Sol.**

$$B - A = 6 \quad \dots(i)$$

$$\begin{cases} \text{Let A's age is} \rightarrow A \\ \text{Let B's age is} \rightarrow B \\ \text{Let C's age is} \rightarrow C \end{cases}$$

$$\frac{B + 9}{C} = \frac{9}{8}$$

$$\text{Or, } 9C - 8B = 72 \quad \dots(ii)$$

$$\text{And } C = 2A \quad \dots(iii)$$

From (ii) & (iii)

$$\Rightarrow 18A - 8B = 72$$

$$\Rightarrow 18(B - 6) - 8B = 72 \quad [\because A = B - 6 \dots (i)]$$

$$\text{Or, } B = 18 \text{ year}$$

After 5 years B's age = 23 years

S69. Ans.(a)**Sol.**

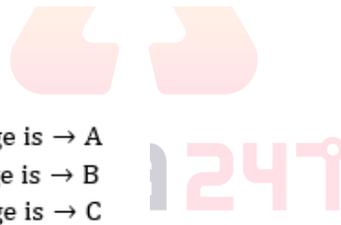
Passing marks = 676

Minal scored = 624

Failed by = 676 - 624 = 52 marks

[Minal scored 52 marks less out of passing marks i.e., 676]

$$\therefore \text{Required percentage} = \frac{52}{1040} \times 100 = 5\%$$



S70. Ans.(c)**Sol.**Total surface area of cube = $6a^2$ [a → side]

$$6a^2 = 1176$$

$$a^2 = 196$$

$$a = 14 \text{ cm}$$

$$\text{Height of cylinder (h)} = 14 \times \frac{150}{100} = 21 \text{ cm}$$

$$\text{Radius of cylinder (r)} = \frac{21}{7} \times 3 = 9 \text{ cm}$$

Total surface area of cylinder = $2\pi r (h + r)$

$$= 2\pi \times 9 (21 + 9)$$

$$= 540 \pi \text{ cm}^2$$

S71. Ans.(a)**Sol.**

$$\text{Females in HR} = \frac{1}{2} \times 11 \times 46 = 253$$

$$\text{Males in Marketing} = \frac{1}{2} \times 22 \times 46 = 506$$

$$\text{Required difference} = 506 - 253 = 253$$

S72. Ans.(c)**Sol.**

$$\text{Required average} = \frac{253 + \frac{1}{4} \times 8 \times 46 + \frac{2}{5} \times 15 \times 46}{3} = \frac{1}{3} \times 621 = 207$$

S73. Ans.(b)**Sol.**

Difference between male and female employees in

HR = 0

$$\text{Accounts} = \frac{2}{4} \times 8 \times 46 = 184$$

$$\text{Production} = \frac{1}{5} \times 15 \times 46 = 138$$

$$\text{IT} = \frac{2}{4} \times 26 \times 46 = 598$$

Marketing = 0

$$\text{Merchandising} = \frac{4}{6} \times 18 \times 46 = 552$$

So, difference is 2nd minimum for production department.**S74. Ans.(d)****Sol.**

Total number of men

$$= 253 + \frac{3}{4} \times 8 \times 46 + \frac{3}{5} \times 15 \times 46 + \frac{1}{4} \times 26 \times 46 + 506 + \frac{5}{6} \times 18 \times 46$$

$$= 253 + 276 + 414 + 299 + 506 + 690$$

$$= 2438$$

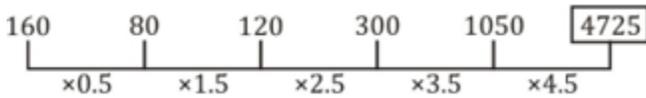
S75. Ans.(d)

Sol.

$$\text{Required percentage} = \frac{(2438-2162)}{4600} \times 100 = 6\%$$

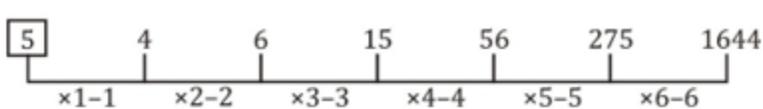
S76. Ans.(e)

Sol.



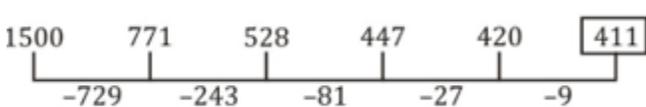
S77. Ans.(a)

Sol.



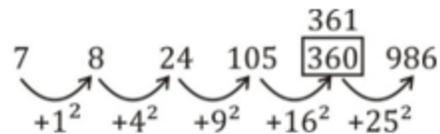
S78. Ans.(d)

Sol.



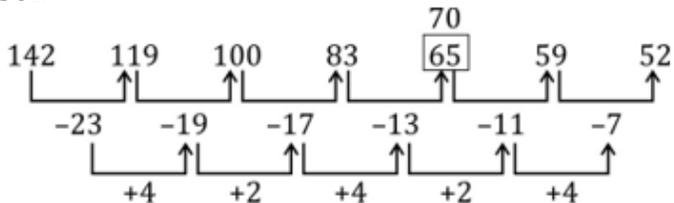
S79. Ans.(d)

Sol.



S80. Ans.(a)

Sol.



S81. Ans.(d)

Sol.

Sedan cars in bad condition

$$\begin{aligned} &= \frac{20}{100} \times 60000 \\ &= 12000 \end{aligned}$$

Ford cars in good condition

$$\begin{aligned} &= \frac{75}{100} \times 48000 \\ &= 36000 \end{aligned}$$

Audi cars in bad condition

$$\begin{aligned} &= \frac{10}{100} \times 32000 \\ &= 3200 \end{aligned}$$

$$\begin{aligned} \text{Required percentage} &= \frac{12000}{36000 + 3200} \times 100 \\ &= \frac{1500}{49} \% \\ &= 30 \frac{30}{49} \% \end{aligned}$$

S82. Ans.(e)

Sol.

Total cars of Maruti company after increment

$$\begin{aligned} &= \frac{8}{7} \times 84000 \\ &= 96000 \end{aligned}$$

Now cars in bad condition

$$\begin{aligned} &= \frac{30}{100} \times 96000 \\ &= 28800 \end{aligned}$$

S83. Ans.(a)

Sol.

$$\begin{aligned} \text{Required ratio} &= \frac{75\% \text{ of } 48000}{15\% \text{ of } 63000} \\ &= 80 : 21 \end{aligned}$$



S84. Ans.(e)

Sol.

Cars in bad condition of brand Sedan

$$\begin{aligned} &= 20\% \text{ of } 6000 \\ &= 12000 \end{aligned}$$

Cars in bad condition of brand Ford

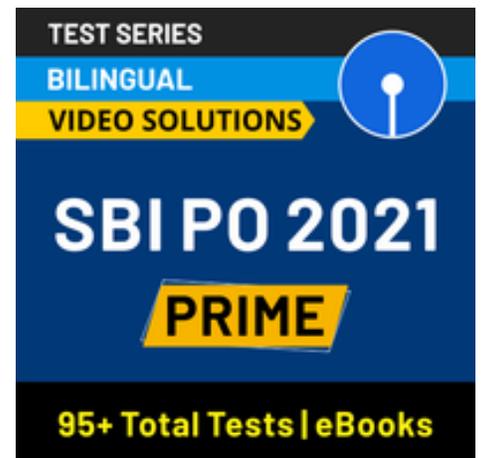
$$\begin{aligned} &= 25\% \text{ of } 48000 \\ &= 12000 \end{aligned}$$

Cars in bad condition of brand Audi

$$\begin{aligned} &= 10\% \text{ of } 32000 \\ &= 3200 \end{aligned}$$

$$\begin{aligned} \text{Required average} &= \frac{12000 + 12000 + 3200}{3} \\ &= \frac{27200}{3} \end{aligned}$$

$$= 9066 \frac{2}{3}$$



S85. Ans.(d)**Sol.** Cars of brand Maruti and Sedan in bad condition

$$= 30\% \text{ of } 84000 + 20\% \text{ of } 60000$$

$$= 25200 + 12000 = 37200$$

Cars of brand Honda and Ford in bad condition

$$= 15\% \text{ of } 63000 + 25\% \text{ of } 48000$$

$$= 9450 + 12000 = 21450$$

$$\text{Required difference} = 37200 - 21450 = 15750$$

S86. Ans.(e)**Sol.**

Sum of present age of A, B, C and D

$$= 19 \times 4 + 4 \times 4$$

$$= 92 \text{ year}$$

$$8 \text{ year hence their total age} = 92 + 8 \times 4 = 124 \text{ year}$$

Sum of C and D present age

$$= \left(124 \times \frac{17}{62} - 8\right) + \left(124 \times \frac{11}{62} - 8\right)$$

$$= 26 + 14$$

$$= 40 \text{ years}$$

S87. Ans.(d)**Sol.**

$$\text{Total mixture} = \frac{10}{12.5} \times 100$$

$$= 80 \ell$$

ATQ—

$$36 + x + 12 + (x + 8) = 80$$

$$56 + 2x = 80$$

$$x = \frac{80 - 56}{2}$$

$$x = 12$$

$$\text{water added in mixture} = (12 + 8) = 20 \ell$$

S88. Ans.(c)**Sol.**

$$\text{A do half of work in} = \frac{36}{2} = 18 \text{ days}$$

$$\text{B can do whole work in} = 18 \times 3 = 54 \text{ days}$$

$$\text{Let total work} = 108$$

$$\text{C efficiency} = (2 + 2) \text{ w/d} = 4 \text{ w/d}$$

$$(\text{A} + \text{B} + \text{C}) \text{ together} = \frac{108}{(3 + 2 + 4)}$$

$$= \frac{108}{9} = 12 \text{ days}$$



S89. Ans.(a)

Sol.

$$\text{C. P. of jeans} = \frac{950}{5} \times 4 = 760 \text{ Rs.}$$

$$\text{C. P. of shirt} = \frac{575}{115} \times 100 = 500 \text{ Rs.}$$

For 20% profit on both (Jeans + shirt)

$$= (760 + 500) \times \frac{120}{5}$$

$$= 1512 \text{ Rs.}$$

$$\text{Shirt should be sold} = 1512 - 720 = 792 \text{ Rs.}$$

S90. Ans.(e)

Sol.

Total number of mobiles = 12

Required cases = one honor 7x and
one One plus five or two One plus five

$$\text{Required probability} = \frac{{}^7C_1 \times {}^5C_1}{{}^{12}C_2} + \frac{{}^5C_2}{{}^{12}C_2}$$

$$= \frac{7 \times 5}{66} + \frac{10}{66}$$

$$= \frac{45}{66}$$

$$= \frac{15}{22}$$



S91. Ans.(a)

Sol.

$$(\sqrt{168.87} + \sqrt{196.03}) \times (\sqrt{15.96} - \sqrt{4.07}) = ?$$

$$? \approx (\sqrt{169} + \sqrt{196})(\sqrt{16} - \sqrt{4})$$

$$? \approx (13 + 14)(4 - 2)$$

$$= 54$$

S92. Ans.(c)

Sol.

$$\sqrt{17.011 \div 33.95 \times 17.89} + \sqrt{48.88} + 87\frac{1}{2}\% \text{ of } 1648 = ? + (18.87)^2$$

$$? \approx \sqrt{17 \div 34 \times 18} + \sqrt{49} + \frac{7}{8} \times 1648 - 19^2$$

$$= \sqrt{\frac{17}{34} \times 18} + \sqrt{49} + 1442 - 361$$

$$= \sqrt{9} + \sqrt{49} + 1442 - 361$$

$$= 3 + 7 + 1442 - 361 = 1091$$

S93. Ans.(e)**Sol.**

$$33\frac{1}{3}\% \text{ of } 669.003 + 87\frac{1}{2}\% \text{ of } 56.01 = ? + (11.011 \times 5)$$

$$\Rightarrow \frac{669}{3} + \frac{7}{8} \times 56 = ? + (11 \times 5)$$

$$\Rightarrow 223 + 49 = ? + 55$$

$$\Rightarrow ? = 223 + 49 - 55$$

$$= 217$$

S94. Ans.(a)**Sol.**

$$150.02\% \text{ of } 117 + 64\% \text{ of } 225.01 = \sqrt{120.98} + ?$$

$$150\% \text{ of } 117 + 225\% \text{ of } 64 = \sqrt{120.98} + ?$$

$$175.5 + 144 - 11 = ?$$

$$= 308.5$$

S95. Ans.(b)**Sol.**

$$\left(270.001 + \frac{17}{5}\right) 19.98 - 9\frac{1}{11}\% \text{ of } 1330.73 = ?$$

$$= \left(270 \times 20 + \frac{17 \times 20}{5}\right) - \frac{1331}{11}$$

$$= 5400 + 68 - 121$$

$$= 5347$$

S96. Ans.(a)**Sol. From I.**

Lets length of larger rectangle and smaller rectangle be $5x$ and $4x$ respectively.

$$2(5x+b) - 2(4x+b) = 8$$

Form II.

Breadth of rectangle = side of square

Side of square = 14 cm

So, I alone is sufficient to give answer

S97. Ans.(e)**Sol. From I,**

Let number of girls and boys be $9x$ and $11x$ respectively

From II,

Let total students be $100x$

Girls below eighteen years age group

$$= 100x \times \frac{9}{100}$$

$$= 9x$$

$$\text{Given } \frac{9x}{20} \times 100$$

$$= 45x$$

$$\text{Boys : girl} = (100x - 45x) : 45x$$

$$= 11 : 9$$

So, Neither I nor II both sufficient to give answer of question.

S98. Ans.(c)

Sol.

Form I,

Selling price of article = 3800 Rs.

Marked price of article = $\frac{3800}{95} \times 100$

= 4000

From II

Cost price = $\frac{4000}{125} \times 100$

= 3200

From I & II

Profit of shopkeeper = 3800 - 3200 = 600 Rs.

S99. Ans.(b)

Sol.

From statement I $\rightarrow 3n + 2m = 18$

Now, from statement II $\rightarrow n - m = 2n - (4 + m)$

$n - m = 2n - 4 - m \rightarrow 2n - n = 4 + m - m$

$n = 4$

So, the value of n can be calculated using statement II alone

S100. Ans.(c)

Sol. Statement I alone is not sufficient to answer, since there is no information about y.

Also, statement II alone is also not sufficient.

On combining statement I and II together implies that x and y are both greater than 1 and for two positive number x and y, we know that, x is less than y, then $1/x$ is greater than $1/y$.



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