

SBI PO Prelims Previous Year Paper 2021 - Solutions

S1. Ans.(b)

Sol. On referring to the last line of the second paragraph, we can infer that curiosity stimulates people to explore different things in both their inner experience and the world around them. Thus, the author refers to curiosity as the engine of innovation. Hence, option (b) is the right answer choice.

S2. Ans.(c)

Sol. On referring to the first paragraph, we can see that it encourages us to explore different things in both our inner experience and the world around us. We are keen to know about the world around us and the discoveries that it holds. Hence, option (c) is the right answer choice.

S3. Ans.(e)

Sol. On referring to the third paragraph, we can see that it talks about the importance of curiosity. It says that curiosity is the engine of innovation and that it is the most important thing that we have. Hence, option (e) is the right answer choice.

S4. Ans.(d)

Sol. On referring to the fourth paragraph, we can see that it talks about the importance of curiosity. It says that curiosity is the engine of innovation and that it is the most important thing that we have. Hence, option (d) is the right answer choice.

S5. Ans.(e)

Sol. On reading the given thoroughly, we can conclude that all of the given statements are correct based on the information provided in the given passage. Thus, none of the given statements is incorrect. Hence, option (e) is the right answer choice.

S6. Ans.(b)

Sol. Among the given words, 'dwindling' which means 'diminishing gradually in size, amount, or strength' is the most appropriate antonym of the highlighted word. Hence, option (b) is the right answer choice. The word 'PROGRESSIVE' means 'advancing or increasing in stages'.

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S8. Ans.(b)

Sol. The words that appropriately fit into the blanks to give the sentence a logical sense are: global, impact.

World-wide: extending or reaching throughout the world.

Global: affecting the whole world

Outcome: the result or effect of an action or an event

Impact: an effect or impression

Ongoing: continuing to exist now

S9. Ans.(a)

Sol. The words that appropriately fit into the blanks to give the sentence a logical sense are: assured, loyal.

Assured: believe that you will succeed at something

Loyalty: faithfulness

Exempted: to be free from something that you have to do something

Allegiance: a belief, etc.

Treason: the act of betraying your country

Confirmed: fixed

S10. Ans.(b)

Sol. The words that appropriately fit into the blanks to give the sentence a logical sense are: comparison, mismatch.

Mismatch: a comparison between two things that do not go well

Comparison: a comparison between two things

Reveal: to make something known that was secret or unknown before

Showed: to let somebody see somebody/something

Data: facts or information

Suggest: to mention a plan or an idea that you have for somebody to discuss or consider

Feature: an important or noticeable part of something

Contrast: comparison between two people or things that shows the differences between them

S11. Ans.(e)

Sol. The words that appropriately fit into the blanks to give the sentence a logical sense are: decline, dismiss.

Efflux: the flowing out of a substance or particle.

Elevated: to move somebody/something to a higher place or more important position

Decline: to become weaker, smaller or less good

Promote: to encourage something; to help something to happen or develop

Influx: large numbers of people or things arriving suddenly

Dismiss: to remove somebody from a job

Decline: to become weaker, smaller or less good

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Decline: to become weaker, smaller or less good

S15. Ans.(e)

Sol. The sentence is meaningful and coherent, thus, required no change.

S16. Ans.(c)

Sol. The correct rearrangement for this sentence is: DCBEA. Thus, the correct sentence will be: "The abolition of smoking in restaurants is a blessing to people like myself who suffer from allergies and asthma."

S17. Ans.(c)

Sol. The correct rearrangement for this sentence is: DAECB. The correct sentence will be: "Because we have to sacrifice our lives to protect the less fortunate people, we must be prepared to die."

S18. Ans.(d)

Sol. The correct rearrangement for this sentence is: EADCB. The correct sentence will be: "The passage as it is given discusses the importance of ancient animals in human lives in Indian times. Hence, apart from statement (E), none of the statements is correct and will follow statement (A) which describes the importance of animals in spirituality. Further, statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (B) will conclude the given passage as it ends with describing the different cultures using the same animal to relate them with similar powers. Therefore, the correct sequence is EADCB."

S19. Ans.(a)

Sol. The correct rearrangement for this sentence is: EADCB. The correct sentence will be: "The passage as it is given discusses the importance of ancient animals in human lives in Indian times. Hence, apart from statement (E), none of the statements is correct and will follow statement (A) which describes the importance of animals in spirituality. Further, statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (B) will conclude the given passage as it ends with describing the different cultures using the same animal to relate them with similar powers. Therefore, the correct sequence is EADCB."

S20. Ans.(d)

Sol. The correct choice is option (d). All sentences are incorrect except sentence (B). In sentence (A), 'have' should be replaced 'has' and in sentence (C), 'Much' should be replaced 'many' as we use 'much' if the noun is non-countable and use 'many' if the noun is countable

S21. Ans.(b)

Sol. The correct choice is option (b). Only sentence (B) has an error where 'Canada' should be replaced with 'Canadian'.

S22. Ans.(e)

Sol. The correct choice is option (e). None of the given sentence is error free. In sentence (A), 'increasing' should be 'increasingly' as we need adverb here. In sentence (B), 'was' should be 'were'. In sentence (C), 'city' should be 'cities' as we need plural noun here.

S23. Ans.(e)

Sol. The passage given above discusses the importance of ancient animals in human lives in Indian times. Hence, apart from statement (E), none of the statements is correct and will follow statement (A) which describes the importance of animals in spirituality. Further, statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (B) will conclude the given passage as it ends with describing the different cultures using the same animal to relate them with similar powers. Therefore, the correct sequence is EADCB.

S24. Ans.(e)

Sol. The passage given above discusses the importance of ancient animals in human lives in Indian times. Hence, apart from statement (E), none of the statements is correct and will follow statement (A) which describes the importance of animals in spirituality. Further, statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (B) will conclude the given passage as it ends with describing the different cultures using the same animal to relate them with similar powers. Therefore, the correct sequence is EADCB.

S25. Ans.(c)

Sol. The passage given above discusses the importance of ancient animals in human lives in earlier times. Here, apart from statement (E), none of the given statements is independent and will therefore be the first statement in the logical sequence that begins the paragraph. Further, statement (A) will follow statement (E) which further continues the sentence describing more about earlier animal-human relations. Statement (D) supports statement (A) which describes the importance of animals in human lives. Statement (C) will follow (D) which describes the importance of animals in human lives. Statement (B) ends with the word 'and' which connects the same animals with the same powers. Therefore, the correct sequence is E, A, D, C, B.

of the given statements is independent and will therefore be the first statement in the logical sequence that begins the paragraph. Further, statement (A) will follow statement (E) which further continues the sentence describing more about earlier animal-human relations. Statement (D) supports statement (A) which describes the importance of animals in spirituality. Further, statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (B) will conclude the given passage as it describes the use of animals in different cultures using the word "and" with similar animals. Hence, the correct sequence is EADCB.

S26. Ans.(e)

Sol. The passage states that animals have been used since ancient times to show the importance of certain qualities. Statement (A) follows statement (B), which further continues the sentence describing more about earlier times. Statement (D) supports the importance of animals. Statement (C) will be the appropriate statement to follow (D) which states the features of animals. Statement (E) will conclude the given passage as it ends with describing the different cultures using the same animal to relate them with similar powers. Therefore, the correct sequence is EADCB.

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S27. Ans.(c)

Sol. The passage given above discusses the importance of ancient animals in human lives in earlier times. Here, apart from statement (E), none

S31. Ans.(c)

Sol. Total ovens sold by C & D = $1200 - \left(240 + 1200 \times \frac{45}{100}\right) + 1500 - \left(300 + 1500 \times \frac{56}{100}\right)$
 $= 420 + 360 = 780$

Total number of refrigerators sold by A & D

$$= 500 \times \frac{32}{100} + 1500 \times \frac{56}{100} = 160 + 840 = 1000$$

$$\text{Required percentage} = \frac{1000 - 780}{1000} \times 100 = 22\%$$

S32. Ans.(e)

Sol. Total number of ovens sold by C & D

$$= 800 - \left(240 + 800 \times \frac{45}{100}\right) + 1500 - \left(300 + 1500 \times \frac{56}{100}\right)$$

$$= 320 + 360 = 680$$

Total number of refrigerators sold by A & D

$$= 1200 \times \frac{45}{100} + 1500 \times \frac{56}{100} = 540 + 840 = 1380$$

$$\text{Required difference} = 1380 - 680 = 700$$

Required difference = 700

S33. Ans.(e)

Sol. Total refrigerators sold by A & C

$$= 1500 \times \frac{56}{100} + 1200 \times \frac{45}{100} = 840 + 540 = 1380$$

Total ovens sold by C & D

$$= [500 - (1000 - 1380)] + [1500 - (300 + 1500 \times \frac{56}{100})]$$

$$\text{Required sum} = 1380 + 420 = 1800$$

S34. Ans.(b)

Sol. Total AC's sold by A & C

$$= 240 + 300 = 540$$

Total AC's & refrigerators sold by A & C

$$= 800 \times \frac{48}{100} + 96 = 480$$

$$\text{Required ratio} = 540 : 480 = 9 : 8$$

S35. Ans.(d)

Sol. Total refrigerators sold by A & C

$$= 500 \times \frac{32}{100} + 1200 \times \frac{45}{100}$$

$$= 160 + 540 = 700$$

Total ovens sold by C

$$= 1200 - \left(240 + 1200 \times \frac{45}{100}\right) = 420$$

$$\text{Required percentage} = \frac{700 - 420}{420} \times 100$$

$$= \frac{280}{420} \times 100 = 66\frac{2}{3}\%$$

S36. Ans.(b)

Sol.

$$\text{I. } x^2 - 6x + 8 = 0$$

$$x^2 - 4x - 2x + 8 = 0$$

$$x(x - 4) - 2(x - 4) = 0$$

$$(x - 2)(x - 4) = 0$$

$$x = 2, 4$$

$$\text{II. } y^2 + 8y + 15 = 0$$

Sol.

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$$\text{I. } x^2 - 6x + 8 = 0$$

$$x^2 - 4x - 2x + 8 = 0$$

$$x(x - 4) - 2(x - 4) = 0$$

$$(x - 2)(x - 4) = 0$$

$$x = 2, 4$$

$$\text{II. } y^2 + 8y + 15 = 0$$

$$y^2 + 3y + 5y + 15 = 0$$

$$y(y + 3) + 5(y + 3) = 0$$

$$(y + 3)(y + 5) = 0$$

$$y = -3, -5$$

$$\text{So, no relation can be established between } x \text{ and } y$$

$$\text{I. } x^2 - 12x + 35 = 0$$

$$x^2 - 5x - 7x + 35 = 0$$

$$x(x - 5) - 7(x - 5) = 0$$

$$(x - 7)(x - 5) = 0$$

$$x = 7, 5$$

$$\text{II. } y^2 - 11y + 24 = 0$$

$$y^2 - 3y - 8y + 24 = 0$$

$$y(y - 3) - 8(y - 3) = 0$$

$$(y - 8)(y - 3) = 0$$

$$y = 8, 3$$

So, no relation can be established between x and y

S39. Ans.(d)

Sol.

I. $8x^2 + 10x - 7 = 0$

$8x^2 - 4x + 14x - 7 = 0$

$4x(2x - 1) + 7(2x - 1) = 0$

$(2x - 1)(4x + 7) = 0$

$x = \frac{1}{2}, \frac{-7}{4}$

II. $y^2 - 6y + 8 = 0$

$y^2 - 4y - 2y + 8 = 0$

$y(y - 4) - 2(y - 4) = 0$

$(y - 4)(y - 2) = 0$

$y = 4, 2$

so, $x < y$

S40. Ans.(a)

Sol.

I. $x^2 + 7x + 12 = 0$

$x^2 + 4x + 3x + 12 = 0$

$x(x + 4) + 3(x + 4) = 0$

$(x + 3)(x + 4) = 0$

$x = -3, -4$

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

$y^2 + 4y + 11y + 56 = 0$

$y(y + 4) + 11(y + 4) = 0$

$(y + 4)(y + 11) = 0$

$y = -11, -4$

so, $x \geq y$

S41. Ans.(d)

Sol.

Total number of students (graduate + postgraduate) in collage A = $80 + 120 = 200$

Total postgraduate students in collage B & collage C = $150 + 100 = 250$

$E = 150 + 100 = 250$

Required percentage = $\frac{250}{200} \times 100 = 125\%$

S42. Ans.(b)

Sol. Total number of boys in graduate students and postgraduate students in collage C =

$\left(140 \times \frac{3}{5}\right) + \left(160 \times \frac{5}{8}\right)$

$= 84 + 100 = 184$

Total number of graduate students in B = 120

Required ratio = $\frac{184}{120} = 23 : 15$

S43. Ans.(a)

Sol. Total number of graduates students in collage

postgraduate

S

S

= 90

Num

160

Number

in collage B

$\times 8$

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S46. Ans.(a)

Sol.

Let the monthly income of man be Rs.100x.

Amount spent on house rent = $100x \times \frac{20}{100} = 20x$

Amount spent on Food = $\frac{20}{100} \times (100x - 20x) = 16x$

$16x$

Remaining amount = $100x - 20x - 16x = 64x$

$$\text{Amount spent on clothing} = 64x \times \frac{7}{16} = 28x$$

ATQ,

$$28x - 16x = 1080$$

$$x = 90$$

$$\text{So, income of man for nine months} = 90 \times 100 \times 9 = \text{Rs.} 81000$$

S47. Ans.(c)

Sol. Let the speed of stream be '5x' km/h

$$\text{And speed of boat in still water} = 5x \times \frac{8}{5} = 8x$$

km/hr

ATQ,

$$\frac{D}{D}$$

$$\frac{5x + 8x}{5x + 8x} + \frac{8x}{8x}$$

$$\frac{16D}{39x} = 32$$

$$D = 78x$$

So, Required t

S48. Ans.(e)

Sol. Speed of t

So, speed of tr

ATQ,

$$\frac{l}{20} = 26$$

$$l = 520 \text{ meters}$$

Now the time which train A crosses train B running in opposite direction

$$= \frac{200+520}{(25+20)} = 16$$

S49. Ans.(d)

Sol. Let the co

$$\text{Marked price of article A} = 100a \times \frac{100}{100} = 100a$$

Selling price of article, A

$$= 160a \times \frac{(100-25)}{100} = 120a$$

ATQ -

$$120a - 100a = 475$$

$$a = \frac{95}{4}$$

Since, Selling price = cost price + profit

So, selling price of article B

$$= 100 \times \frac{140}{100} \times \frac{95}{4} + 475 = \text{Rs.} 3800$$

S50. Ans.(e)

Sol. Let the efficiency of a man and a woman be 'x' units/day and 'y' units/day respectively.

ATQ,

$$\frac{(16x+14y) \times 30}{1} = \frac{(20x+14y) \times 20}{\frac{80}{100}}$$

$$96x + 84y = 100x + 70y$$

$$\frac{x}{y} = \frac{7}{2}$$

$$\text{Total work} = (16 \times 7 + 14 \times 2) \times 30 = 4200 \text{ units}$$

$$\text{Required days} = \frac{2 \times 4200}{42 \times 2} = 100 \text{ days}$$

number of items

$$\frac{40}{100} = 40x$$

$$\times \frac{9}{10} = 36x$$

$$= (40x + 36x)$$

$$4x \times \frac{5}{12} = 10x$$

$$\times \frac{40}{100} = 16x$$

To

Total

ATQ -

$$10x + 1$$

$$26x = 13$$

$$x = \frac{1}{2}$$

Items	Amount
Jackets	200
Wearer	120
Seatsh	180
Total	500

	Total
	200
	120
	180
	500

S52. Ans.(b)

$$\text{Sol. Required percentage} = \frac{80-70}{80} \times 100 = 12.5\%$$

S53. Ans.(c)

$$\text{Sol. Required average} = \frac{330}{3} = 110$$

S54. Ans.(e)

$$\text{Sol. Required ratio} = \frac{140}{170} = 14 : 17$$

S55. Ans.(b)

Sol. Required percentage = $\frac{140-50}{50} \times 100 = 180\%$

S56. Ans.(b)

Sol. Pattern of series -

$$33 + (2^2 - 1) = 36$$

$$36 + (3^2 - 1) = 44$$

$$44 + (4^2 - 1) = 59$$

$$? = 59 + (5^2 - 1) = 83$$

$$83 + (6^2 - 1) = 118$$

S57. Ans.(a)

Sol. Pattern of series -

Subtraction of 27

$$162 - 37 = 125$$

$$125 - 31 = 94$$

$$94 - 29 = 65$$

$$? = 65 - 23 = 42$$

$$42 - 19 = 23$$

S58. Ans.(c)

Sol. Pattern of series -

$$2 \times 5 + 5 = 15$$

$$15 \times 4 + 4 = 64$$

$$64 \times 3 + 3 = 195$$

$$? = 195 \times 2 + 2 = 392$$

$$392 \times 1 + 1 = 393$$

S59. Ans.(e)

Sol. Pattern of series -

$$322, ? = 162, 82, 42, 22, 12$$

$$-160 -80 -40 -20 -10$$

S60. Ans.(b)

Sol. Pattern of series -

$$8 \times 0.5 + 1 = 5$$

$$5 \times 1 + 1 = 6$$

$$6 \times 2 + 1 = 13$$

$$13 \times 4 + 1 = 53$$

$$? = 53 \times 8 + 1 = 425$$

S61. Ans.(a)

Sol. Let investment of P = 4x Rs.

$$\text{So, investment of Q} = 4x \times \frac{125}{100} = 5x \text{ Rs.}$$

ATQ -

$$\text{Ratio of profit share of P to Q} = (4x \times 6 + 4x \times 2 \times$$

$$6) : (5x \times 6 + 5x \times \frac{2}{3} \times 6)$$

$$= 72x : 50x = 36x : 25x$$

$$\text{Profit of P} = 12200 \times \frac{36x}{(36x+25x)} = 7200 \text{ Rs.}$$

S62. Ans.(e)

Sol. Equivalent interest received by man from two years = 20%

Let the sum invested in scheme X = P

Let the sum invested in scheme X = P

Let the sum invested in scheme Y = Q

$$\text{Required interest} = 32.72\%$$

S63. Ans.(c)

Sol. Let the sum invested in scheme X = P

$$\begin{aligned} & (1.25)^n = 2 \\ & (1.25)^n = 2 \\ & n \log 1.25 = \log 2 \\ & n = \frac{\log 2}{\log 1.25} = 8 \text{ years} \end{aligned}$$

S64. Ans.(e)

Sol. Let total mixture in vessel be x liters

ATQ,

$$\frac{5x}{7} - 42 \times \frac{5}{7} = \frac{7}{6}$$

$$\frac{2x}{7} - 42 \times \frac{2}{7} + 32 = \frac{7}{6}$$

$$\frac{5x - 210}{7} = \frac{7}{6}$$

$$\frac{2x + 140}{6} = \frac{7}{6}$$

$$30x - 1260 = 14x + 980$$

$$16x = 2240$$

$$x = 140 \text{ liters}$$

S65. Ans.(d)

Sol. Let radius of circle X & Y be $3r$ and $4r$ respectively

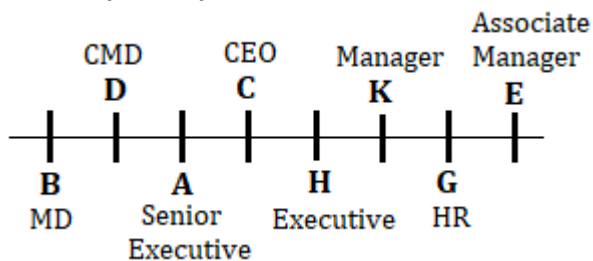
$$2 \times \frac{22}{7} \times 3r + 2 \times 4r = 188 \text{ cm}$$

$$r = 7 \text{ cm}$$

$$\text{Side of square} = \frac{8}{7} \times (3 \times 7 + 4 \times 7) = 56 \text{ cm}$$

$$\text{Perimeter of square} = 56 \times 4 = 224 \text{ cm}$$

Solutions (66-70):



S66. Ans.(b)

S67. Ans.(c)

S68. Ans.(a)

S69. Ans.(d)

S70. Ans.(b)

Solutions (71

Practice	bt
Result	rt
Rank	bj
Advantage	nt

S71. Ans.(a)

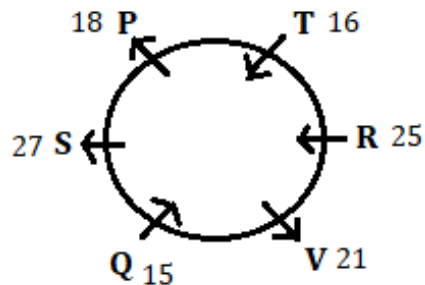
S72. Ans.(a)

S73. Ans.(b)

S74. Ans.(b)

S75. Ans.(d)

Solutions (76-78):



S76. Ans.(c)

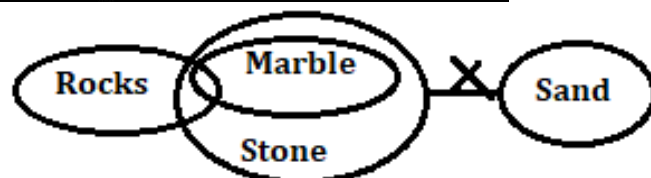
S77. Ans.(c)

S78. Ans.(c)

S79. Ans.(c)

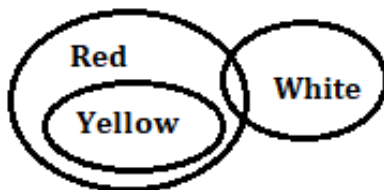
Solution

S82. Ans.

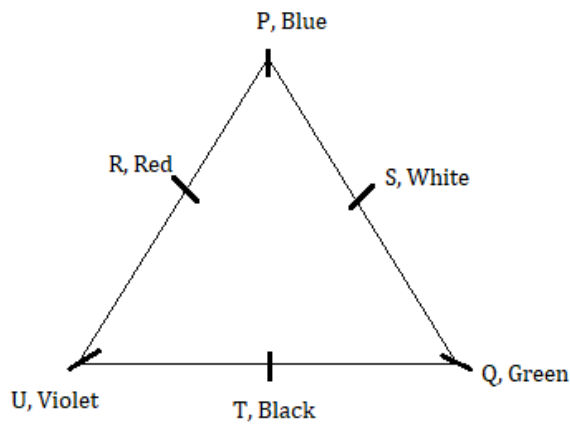


S84. Ans.(c)

Sol.



Directions (85-86):



S85. Ans.(e)

S86. Ans.(c)

Directions (8

Month
January
May
August
October
December

S87. Ans.(c)

S88. Ans.(d)

S89. Ans.(a)

S90. Ans.(b)

S91. Ans.(e)

S92. Ans.(b)

Sol. Original number= 45925639258

New number= 53733717339

Directions (93-97):

Floor	Flat-1	Flat-2
3	D-Coconut	B-Grapes
2	A-Apple	E-Banana
1	F-Apricot	C-Orange