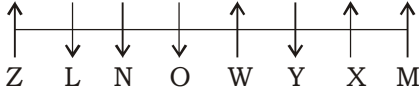


SBI PO PHASE - I - 195 (SOLUTION)

REASONING

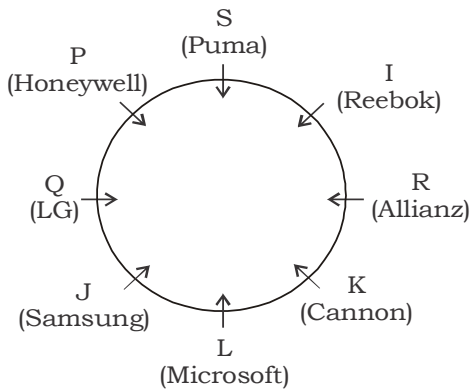
(1-5):



1. (1) 2. (2) 3. (2)

4. (4) 5. (5)

(6-10):



6. (2) 7. (3) 8. (1)

9. (1) 10. (4)

11. (1) Combining all statements

$$M \leq Q = K < A \leq V$$

I. $K \geq M \rightarrow$ True

II. $A > Q \rightarrow$ True

III. $A > M \rightarrow$ True

Hence, All I, II and III follow

12. (1) Combining all statements

$$E = C < A \geq R \leq S$$

I. $S > A \rightarrow$ False

II. $R < C \rightarrow$ False

III. $R < E \rightarrow$ False

Hence, None follows

13. (4) Combining all statements

$$L > N \leq T = D < A$$

I. $L > A \rightarrow$ False

II. $L \leq A \rightarrow$ False

III. $A > N \rightarrow$ True

Hence, Only III follows

14. (3) Combining all statements

$$A \geq P > E < F \leq S$$

I. $S > E \rightarrow$ True

II. $A > E \rightarrow$ True

III. $F > P \rightarrow$ False

Hence, Only I and II follow

15. (4) Combining all statements

$$P < W = Q > S \geq A$$

I. $A < Q \rightarrow$ True

II. $Q > P \rightarrow$ True

III. $W > A \rightarrow$ True

Hence, All I, II and III follow

(16-20):

ideas \rightarrow bi

create \rightarrow sa

your/own \rightarrow ri/cso

new \rightarrow ka

always \rightarrow hte

and \rightarrow sh

better \rightarrow loc

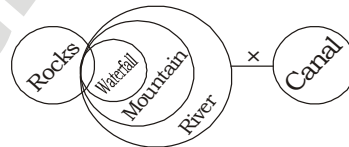
think/insights \rightarrow sit/pet

16. (4) 17. (5) 18. (2) 19. (1)

20. (4)

(21-23):

21. (5)



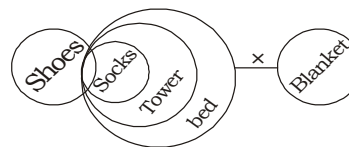
I. False

II. False

III. False

Hence, None follows.

22. (4)



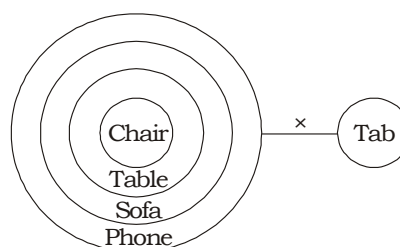
I. True

II. True

III. True

Hence, All conclusions follow.

23. (3)



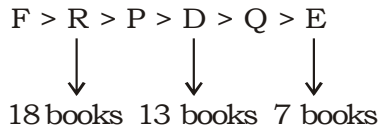
I. False

II. False

III. True

Hence, Only conclusion III follows.

(24-25) :



24. (4)

25. (4)

26. (1)

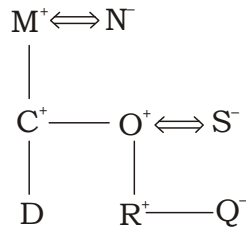
27. (2)

28. (3)

29. (3)

30. (4)

(31-32) :

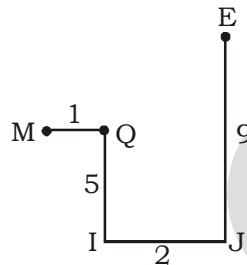


31. (1)

32. (5)



(34-35) :



34. (5) 3 km

35. (4)

Maths

(36-40) :

36. (1) $4\frac{1}{2} - 2\frac{5}{6} = ? - 1\frac{7}{12}$

$$\Rightarrow \frac{9}{2} - \frac{17}{6} = ? - \frac{19}{12}$$

$$\Rightarrow \frac{27-17}{6} = ? - \frac{19}{12}$$

$$\Rightarrow ? = \frac{10}{6} + \frac{19}{12}$$

$$\Rightarrow ? = \frac{39}{12} = 3\frac{1}{4}$$

37. (2) $99.9 + 9.99 + 0.99 + 99.09 + 9.09 + 999 = ?$

$$\Rightarrow ? = 1218.06$$

38. (3) $4\frac{2}{3} + 7\frac{1}{6} - 5\frac{2}{9} = ?$

$$\Rightarrow ? = \frac{14}{3} + \frac{43}{6} - \frac{47}{9}$$

$$= \frac{84 + 129 - 94}{18} = \frac{119}{18} = 6\frac{11}{18}$$

39. (4) $65\% \text{ of } 240 + ?\% \text{ of } 150 = 210$

$$\Rightarrow 240 \times \frac{65}{100} + \frac{?}{100} \times 150 = 210$$

$$\Rightarrow 156 + \frac{?}{100} \times 150 = 210$$

$$\Rightarrow ? = \frac{54 \times 100}{150} = 36$$

40. (1) $\frac{2}{3}$ of $1\frac{2}{5}$ of 75% of 540 = ?

$$\Rightarrow \frac{2}{3} \times \frac{7}{5} \times \frac{75}{100} \times 540 = ?$$

$$\Rightarrow ? = 378$$

(41-45) :

41. (1) Required difference

$$= [(46 + 64 + 72) - (62 + 48 + 36)] \times 100 = 3,600$$

42. (4) Required difference

$$= \left[70 \times \frac{120}{100} - 30 \times \frac{110}{100} \right] \times 100 = 5,100$$

43. (3) Number of students enrolled in college

$$B \text{ in october} = \frac{72 + 76}{2} \times 100 = 7,400$$

$$\therefore \text{ Required number of students} = \frac{7400}{2}$$

$$= 3,700$$

44. (5) Total number of students in March 2017

$$= (84 + 38) \times \frac{140}{100} \times 100 = 17,080$$

Number of students in college A in

$$\text{March 2017} = 84 \times \frac{125}{100} \times 100 = 10,500$$

$$\therefore \text{ Required number of students}$$

$$= 17080 - 10500 = 6,580$$

45. (4) Required ratio = $(62 + 14) : (30 + 72)$

$$= 76 : 102 = 38 : 51$$

(46-50):

46. (2) The number series is as follows:

$$\begin{aligned} 8 + 2 &= 10 \\ 10 + (3 \times 2 + 2) &= 18 \\ 18 + (3 \times 8 + 2) &= 44 \\ 44 + (3 \times 26 + 2) &= 124 \\ 124 + (3 \times 80 + 2) &= \mathbf{366} \end{aligned}$$

47. (4) The number series is as follows:

$$\begin{aligned} 13 + 1 + 12 &= 25 \\ 25 + 3 \times 12 &= 61 \\ 61 + 5 \times 12 &= 121 \\ 121 \times 7 \times 12 &= 205 \\ 205 + 9 \times 12 &= \mathbf{313} \end{aligned}$$

48. (1) The number series is as follows:

$$\begin{aligned} 656 \div 2 + 24 &= 352 \\ 352 \div 2 + 24 &= 200 \\ 200 \div 2 + 24 &= 124 \\ 124 \div 2 + 24 &= 86 \\ 86 \div 2 + 24 &= \mathbf{67} \end{aligned}$$

49. (3) The number series is as follows:

$$\begin{aligned} 454 + 18 &= 472 \\ 472 - 27 &= 445 \\ 445 + 18 &= 463 \\ 463 - 27 &= 436 \\ 436 + 18 &= \mathbf{454} \end{aligned}$$

50. (2) The number series is as follows:

$$\begin{aligned} 12 \times 4 - 30 &= 18 \\ 18 \times 4 - 36 &= 36 \\ 36 \times 4 - 42 &= 102 \\ 102 \times 4 - 48 &= 360 \\ 300 \times 4 - 54 &= \mathbf{1386} \end{aligned}$$

51. (1) Rate = $\frac{SI \times 100}{\text{Principal} \times \text{Time}}$

$$= \frac{10230 \times 100}{27500 \times 3} = 12.4\%$$

$$\therefore C.I = P \left[\left(1 + \frac{R}{100} \right)^T - 1 \right]$$

$$= 27500 \left[\left(1 + \frac{12.4}{100} \right)^3 - 1 \right]$$

$$\begin{aligned} &\approx 27500 (1.42 - 1) \\ &= 27500 \times 0.42 \\ &= \mathbf{₹ 11,550} \end{aligned}$$

52. (5) According to question,

$$\text{Selling Price} = \frac{6500 \times 95}{100} = \mathbf{₹ 6175}$$

$$\therefore \text{Cost Price} = \frac{6175}{115} \times 100$$

$$= \mathbf{₹ 5269.56 \approx ₹ 5,369}$$

53. (5) Side of the square = $\sqrt{1024} = 32$ cm.

$$\therefore \text{Length of rectangle} = 2 \times 32 = 64 \text{ cm.}$$

Breadth of rectangle

$$= 32 - 12 = 20 \text{ cm.}$$

$$\therefore \text{Required ratio} = 64 : 20 = 16 : 5$$

54. (1) Required probability = $\frac{{}^5C_2}{{}^7C_2} = \frac{10}{21}$

55. (3) Four years ago,
Shyam : Ram = 3 : 4
After four years,

$$\frac{3x+8}{4x+8} = \frac{5}{6}$$

$$\Rightarrow 20x + 40 = 18x + 48$$

$$\Rightarrow 2x = 48 - 40 = 8$$

$$\Rightarrow x = \frac{8}{2} = 4$$

$$\begin{aligned} \therefore \text{Shyam's present age} &= 3x + 4 \\ &= 3 \times 4 + 4 = 16 \text{ years} \end{aligned}$$

(56-60):

56. (4) Required total
= 350 + 325 + 300 + 375 + 425
= 1,775

57. (3) Required ratio
= (300 + 425) : (275 + 300)
= 725 : 575 = 29 : 23

58. (1) Total number of Mobiles sold by all the shopkeeper

$$\text{Lenovo} = 350 + 325 + 300 + 375 + 425 = 1,775$$

$$\text{Moto} = 275 + 300 + 325 + 450 + 325 = 1,675$$

$$\text{Nokia} = 425 + 475 + 325 + 425 + 225 = 1,875$$

$$\text{Required ratio} = 1775 : 1675 : 1875 = 71 : 67 : 75$$

59. (5) Required% = $\left(\frac{325}{1875} \times 100 \right)\%$
= 17.33% \approx 17%

60. (1) Required% = $\left(\frac{300}{1100} \times 100 \right)\%$
= 27.27% \approx 27%

61. (1) According to question,

$$\text{SI for 10 years} = \frac{1000 \times 5 \times 10}{100} = \mathbf{₹ 500}$$

$$\text{Now, } P = \mathbf{₹ 1500}, A = \mathbf{₹ 2000}$$

$$\therefore \text{SI} = \mathbf{₹ 500}$$

Now, $T = \frac{500 \times 100}{1500 \times 5} = 6\frac{2}{3}$ years

∴ Total time = $16\frac{2}{3}$ years

62. (3) $2 \text{ kmph} = \left(\frac{2 \times 5}{18}\right) \text{ m/s.} = \frac{5}{9} \text{ m/s.}$

and $4 \text{ kmph} = \frac{4 \times 5}{18} \text{ m/s.} = \frac{10}{9} \text{ m/s.}$

Let the length of the train be x m and its speed be y m/s. Then,

$$\frac{x}{y - \frac{5}{9}} = 9$$

⇒ $9y - 5 = x$

∴ $9y - x = 5$ (i)

and $= \frac{x}{y - \frac{10}{9}} = 10$

⇒ $10(9y - 10) = 9x$

⇒ $90y - 9x = 100$ (ii)

By equation (i) × 10 - equation (ii), we have

$$90y - 10x = 50$$

$$90y - 9x = 100$$

$$\begin{array}{r} - \quad + \quad - \\ \hline -x = -50 \end{array}$$

⇒ $x = 50 \text{ m}$

63. (3) According to question,

	A	B	C
Efficiency	3	2	6
No. of days	2	3	1

⇒ Number of days taken by A = 12,

Number of days taken by B = 18

and Number of days taken by C = 6

1 day's work of (A + B) = $\frac{5}{36}$

1 day's work of (B + C) = $\frac{8}{36}$

1 day's work of (C + A) = $\frac{9}{36}$

In 5 days total work done

$$= \frac{5}{36} + \frac{8}{36} + \frac{9}{36} + \frac{5}{36} + \frac{8}{36} = \frac{35}{36}$$

Now, the rest of the work

$\left(\text{ie, } \frac{1}{36}\right)$ is done by AC

Number of days taken by AC for the rest

of the work = $\frac{\frac{1}{36}}{\frac{1}{9}} = \frac{1}{9}$

Therefore, total time taken to complete

the work = $5 + \frac{1}{9} = 5\frac{1}{9}$ days

64. (1) 2A 30
3B 20 60
6C 10

ABC discharge chemical in 1 min = $6 + 3 + 2 = 11$.

So, proportion of R = $\frac{6 \times 3}{11 \times 3} = \frac{6}{11}$

65. (3) According to question,
Required number of ways = 4^6

(66-70) :

66. (2) I. $14x^2 - 57x + 55 = 0$

⇒ $14x^2 - 35x - 22x + 55 = 0$

⇒ $7x(2x - 5) - 11(2x - 5) = 0$

⇒ $x = \frac{11}{7}, \frac{5}{2}$

II. $7y^2 + 3y - 22 = 0$

⇒ $7y^2 + 14y - 11y - 22 = 0$

⇒ $7y(y + 2) - 11(y + 2) = 0$

⇒ $y = \frac{11}{7}, -2$

Clearly, $x \geq y$

67. (1) I. $\sqrt{784x} + 1234 = 1486$

⇒ $28x = 1486 - 1234$

⇒ $x = \frac{252}{28} = 9$

II. $\sqrt{1089y} + 2081 = 2345$

⇒ $33y = 2345 - 2081$

⇒ $y = \frac{264}{33} = 8$

Clearly, $x > y$

68. (5) I. $3x^2 - 29x + 18 = 0$

⇒ $3x^2 - 27x - 2x + 18 = 0$

⇒ $3x(x - 9) - 2(x - 9) = 0$

⇒ $x = \frac{2}{3}, 9$

II. $2y^2 - 22y + 56 = 0$
 $\Rightarrow 2y^2 - 14y - 8y + 56 = 0$
 $\Rightarrow 2y(y - 7) - 8(y - 7) = 0$
 $\Rightarrow y = \frac{8}{2}, 7$

69. (1) I. $5x + 2y = 96$... (i)
 $3(7x + 5y) = 489$
 $7x + 5y = 163$... (ii)
 Equation (i) $\times 5$ - equation (ii) $\times 2$,
 we get
 $25x + 10y - 14x - 10y = 480 - 326$
 $\Rightarrow 11x = 154$
 $\Rightarrow x = 14$
 Put the value vaive of x is equation
 (i), we get
 $5 \times 14 + 2y = 96$
 $\Rightarrow 2y = 96 - 70$
 $\Rightarrow y = 13$
 Clearly, $x > y$

70. (5) I. $\frac{15}{\sqrt{x}} - \frac{9}{\sqrt{x}} = x^{\frac{1}{2}}$
 $\Rightarrow 15 - 9 = x^{\frac{1}{2} + \frac{1}{2}}$
 $\Rightarrow x = 6$
 II. $y^{10} - (36)^5 = 0$
 $\Rightarrow y^{10} = (36)^5$
 $\Rightarrow y^{10} = 6^{10} \Rightarrow y = 6$
 Clearly, $x = y$

ENGLISH LANGUAGE

(91-95): (FABDCE)

(96-100):

96. (3) Insert 'been' after 'has'.
 97. (3) Substitute 'will have no' with 'will not have'.
 98. (2) Replace 'alternate' with 'alternative'.
 99. (5)
 100. (4) Replace 'few' with 'a few'.

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Prerequisite	required as a prior condition	शर्त
Contemporary	living or occurring at the same time	समकालीन
Dormant	(of an animal) having normal physical functions suspended or slowed down for a period of time; in or as if in a deep sleep	निष्क्रिय
Sectarian	denoting or concerning a sect or sects	सांप्रदायिक
Pedagogy	the method and practice of teaching, especially as an academic subject or theoretical concept.	शिक्षा शास्त्र
Revamp	give new and improved form, structure, or appearance to	सुधार
Medley	a varied mixture of people or things; a miscellany	मिश्रण
Ossification	conformity	हड्डी बन जाना
Hampers	or impede the movement or progress of	बाधित
Bolstered	support or strengthen; prop up	बल मिला
Imbibition	drinking, imbibing	अंतः शोषण
Coalescing	come together and form one mass or whole	संगठित होना
Amalgamate	combine or unite to form one organization or structure	मिलाना
Erudite	having or showing great knowledge or learning	वैज्ञानिक
Profane	relating or devoted to that which is not sacred or biblical; secular rather than religious	अपवित्र
Ungodly	irreligious or immoral	धर्मभ्रष्ट
Ascended	go up or climb	चढ़ना
Awkward	causing difficulty; hard to do or deal with	भद्दा

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Campus

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SBI PO PHASE - I - 195 (ANSWER KEY)

1. (1)	26. (1)	51. (1)	76. (1)
2. (2)	27. (2)	52. (5)	77. (5)
3. (2)	28. (3)	53. (5)	78. (2)
4. (4)	29. (3)	54. (1)	79. (4)
5. (5)	30. (4)	55. (3)	80. (2)
6. (2)	31. (1)	56. (4)	81. (3)
7. (3)	32. (5)	57. (3)	82. (2)
8. (1)	33. (3)	58. (1)	83. (1)
9. (1)	34. (5)	59. (5)	84. (5)
10. (4)	35. (4)	60. (1)	85. (4)
11. (1)	36. (1)	61. (1)	86. (3)
12. (1)	37. (2)	62. (3)	87. (2)
13. (4)	38. (3)	63. (3)	88. (1)
14. (3)	39. (4)	64. (1)	89. (4)
15. (4)	40. (1)	65. (3)	90. (5)
16. (4)	41. (1)	66. (2)	91. (1)
17. (5)	42. (4)	67. (1)	92. (5)
18. (2)	43. (3)	68. (5)	93. (2)
19. (1)	44. (5)	69. (1)	94. (2)
20. (4)	45. (4)	70. (5)	95. (5)
21. (5)	46. (2)	71. (1)	96. (3)
22. (4)	47. (4)	72. (1)	97. (3)
23. (3)	48. (1)	73. (2)	98. (2)
24. (4)	49. (3)	74. (4)	99. (5)
25. (4)	50. (2)	75. (2)	100. (4)

Note:- If you face any problem regarding result or marks scored, please contact 9313111777

Note:- Whatapp with Mock Test No. and Question No. at 7053606571 for any of te doubts. Join the group and you may also share your suggestions and experience of sunday Mock Test.

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003