

**SBI PO PHASE - I - 191 (SOLUTION)**

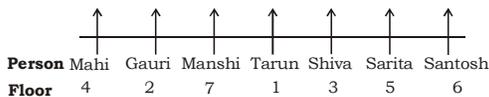
**REASONING**

(1-5):

Day	People	Game
Monday	S	Valleyball
Tuesday	P	Football
Wednesday	W	Cricket
Thursday	Q	Kho-Kho
Friday	U	Hockey
Saturday	R	Tennis
Sunday	T	Squash

- (4)            2. (1)            3. (5)
- (4)            5. (1)
- (3) Combining all statements  
 $H > Q \geq F = M > K$   
 I.  $H > K \rightarrow$  True  
 II.  $Q > K \rightarrow$  True  
 III.  $Q > M \rightarrow$  True  
 Hence, All I, II and III follow
- (1) Combining all statements  
 $D < Q = L > T < H$   
 I.  $D < L \rightarrow$  True  
 II.  $L \geq H \rightarrow$  False  
 III.  $H < L \rightarrow$  False  
 Hence, Only I follow
- (1) Combining all statements  
 $V = Y \geq Z \leq X > T$   
 I.  $T > Z \rightarrow$  False  
 II.  $X > Z \rightarrow$  False  
 III.  $Z > Y \rightarrow$  False  
 Hence, None follow
- (1) Combining all statements  
 $R \geq J \leq F < E \leq M$   
 I.  $M > J \rightarrow$  True  
 II.  $F \leq M \rightarrow$  False  
 III.  $M < R \rightarrow$  False  
 Hence, Only I follow.
- (1) Combining all statements  
 $H > R \geq L < W \leq F$   
 I.  $H > L \rightarrow$  True  
 II.  $F > L \rightarrow$  True  
 III.  $H = F \rightarrow$  False  
 Hence, Only I and II follow

(11-15):



- (4)            12. (1)            13. (3)
- (3)            15. (5)

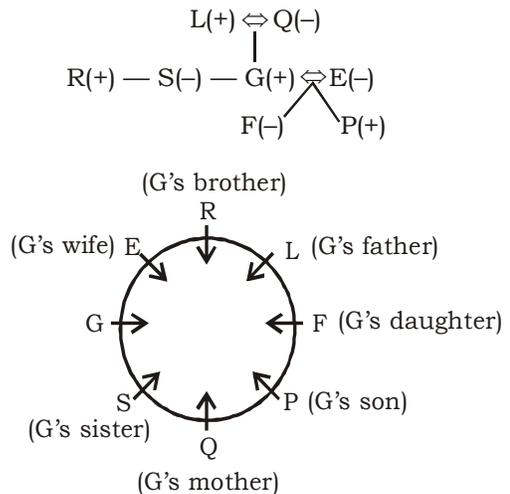
(16-20):

- Input** : 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life
- Step I** : beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice life
- Step II** : family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life
- Step III** : girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life
- Step IV** : life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice
- Step V** : nice 61 life 55 girl 48 family 32 beautiful 17 proud 97 rich 72
- Step VI** : proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich
- Step VII** : rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17.

- (3)            17. (4)            18. (3)
- (1)            20. (2)

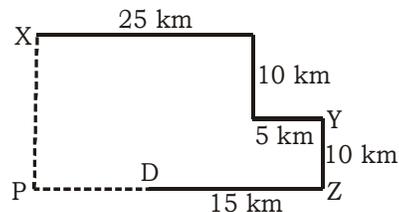
(21-25):

**Family tree**



- (2)            22. (3)            23. (5)
- (3)            25. (5)

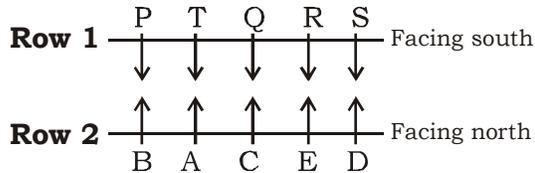
(26-27):



26. (1)  
 27. (5)  $25 + 5 - 15 = 15$  km.  
 28. (3) Total number of students =  $25 + 9 = 24$   
 29. (3)

30. (2)  $\begin{matrix} \text{E Q U A L I T Y} \\ \text{A E I L Q T U Y} \end{matrix}$

**(31-35) :**



31. (3)      32. (4)      33. (1)  
 34. (3)      35. (3)

**Maths**

36. (4)  $7\frac{1}{3} \times 2\frac{2}{11} + ? = 5\frac{5}{7} \times 11\frac{3}{8}$   
 $\Rightarrow \frac{22}{3} \times \frac{24}{11} + ? = \frac{40}{7} \times \frac{91}{8}$   
 $\Rightarrow 16 + ? = 65$   
 $\Rightarrow ? = 65 - 16 = 49$
37. (3)  $? + 2.002 + 2.02 = 7.07 + 5.05 + 1.001$   
 $? + 4.022 = 7.07 + 5.05 + 1.001$   
 $? = 13.121 - 4.022$   
 $? = 9.099$
38. (2)  $0.6 \times 72 \div 0.9 \times 5 = ? + 176$   
 $\Rightarrow \frac{0.6 \times 72 \times 5}{0.9} = ? + 176$   
 $\Rightarrow 240 - 176 = ?$   
 $\Rightarrow ? = 64$
39. (5)  $\sqrt{? + 27 \times 4 + 119} = 14\frac{2}{3} + 6\frac{1}{3}$   
 $\Rightarrow \sqrt{? + 108 + 119} = 14 + 6 + \frac{2}{3} + \frac{1}{3}$   
 $\Rightarrow \sqrt{? + 227} = 21$   
 $\Rightarrow ? + 227 = 441$   
 $\Rightarrow ? = 214$
40. (2)  $? + 72\% \text{ of } 340 = 54\% \text{ of } 720$   
 $? + 72\% \times 340 = 54\% \times 720$   
 $? = 388.8 - 244.8$   
 $? = 144$

41. (5) (I)  $A + B = \frac{1}{6}$

(II)  $B + C = \frac{4}{15}$

(III)  $A + C = \frac{3}{10}$

From all three statements, we get

$$2(A + B + C) = \frac{1}{6} + \frac{4}{15} + \frac{3}{10}$$

$$= A + B + C = \frac{22}{30 \times 2} = \frac{11}{30}$$

So, they can complete the work in  $\frac{30}{11}$

days.

Hence, all the three statements are required.

42. (5) Since, rate of painting is not given, so given data is insufficient.

43. (4) (I) S.I. =  $\frac{P \times R \times 3}{100} = 4500$

(II)  $R = 10\%$  per annum

(III) C.I. - S.I. =  $465 = P \cdot \frac{R^2}{100^2} \cdot \frac{300 + R}{100}$

(for 3 years)

From above statements, we can find compound interest from any two of above 3 statements.

44. (2) Let C.P. =  $x$

Then, from statement (I) & (III),

Labeled price =  $1.30x$

S.P. =  $0.9 \times 1.30x = 1.17x$

$$\% \text{profit} = \frac{1.17x - x}{x} \times 100 = 17\%$$

So, only (I) and (III) is required as only % profit is to be found.

45. (5) We can find average salary of 15 employees by finding total salary of all the employees.

From statement (I) we know salary of 7 clerks.

From (II), salary of 5 officers can be found out.

From (III) salary of remaining 3 staffs, can be found out.

So, all the statements are required to get average salary of all the employees.

46. (3) Let age of Man =  $3x$

Age of son =  $x$

According to question,

$$3x - 15 = (x - 15) 9$$

- $\Rightarrow 3x - 15 = 9x - 135$
- $\therefore x = \frac{120}{6} = 20$  years
- $\therefore$  Required answer =  $20 \times 3 + 15 = 75$  years.
47. (3) Let initial average age =  $x$  years  
After adding age of boy, average remains same  
So, boy's age =  $x$  years  
 $\therefore$  Teacher's age =  $2x + 8$   
According to question,
- $$\frac{15x + x + 2x + 8}{17} = 1.1x$$
- $\Rightarrow 18x + 8 = 18.7x$   
 $\therefore x = 11.4$  years (approx)
48. (3) Profit after giving discount =  $20 - 10 - \frac{200}{100} = 8\%$
- Overall profit =  $\frac{108 \times 1}{0.9} - 100 = \frac{18}{0.9} = 20\%$
49. (2) Number of females =  $156800 \times \frac{100}{80} = 196000$   
No. of males =  $\frac{7}{8} \times 196000 = 171500$   
 $\therefore$  Total population =  $367500$
50. (1)
- |     |     |    |
|-----|-----|----|
| CP  | MP  | SP |
| 100 | 100 | 88 |
- Let  $\frac{100}{132} \times 88 = \frac{200}{3}$
- Now discount =  $20\%$   
 $\therefore$  SP =  $100 - 20 = 80$
- $$\therefore \text{Required \% profit} = \frac{80 - \frac{200}{3}}{\frac{200}{3}} \times 100 = \frac{40}{200} \times 100 = 20\%$$
51. (2) Required difference =  $\frac{1}{6} \times (14 + 18 + 23 + 21 + 27 + 26) - 15 = 21.5 - 15 = 6.5$  thousand
52. (5) Required ratio =  $18 : 15 : 9 = 6 : 5 : 3$
53. (2) From graph the required year is 2000
54. (3) Required percentage =  $\frac{29}{35} \times 100 \approx 83\%$

55. (1) Required percentage increase =  $\frac{27-18}{18} \times 100 = 50\%$
56. (1) 3 days work of A and B together =  $\frac{3}{5}$   
Remaining work =  $\frac{2}{5}$   
 $\therefore \frac{2}{5}$  work A completes in 4 days  
 $\therefore$  Whole work will be completed by A in = 10 days
57. (3) 4 hour's work of X and Y together =  $\frac{4}{16} = \frac{1}{4}$   
 $\therefore$  One hour's work of all the three persons =  $\frac{1}{16} + \frac{1}{32} = \frac{3}{32}$   
 $\therefore$  Rest work i.e. will be completed by all the three in =  $\frac{32}{3} \times \frac{3}{4} = 8$  hours  
 $\therefore$  Total time to complete the whole work =  $4 + 8 = 12$  hours
58. (3) Time taken by A = 12 days  
Time taken by B =  $3 \times \frac{12}{2} = 18$  days  
Time taken by C =  $\frac{12}{2} = 6$  days  
One day work of pair AB =  $\frac{1}{12} + \frac{1}{18} = \frac{5}{36}$   
One day work of pair BC =  $\frac{1}{18} + \frac{1}{6} = \frac{2}{9}$   
One day work of pair CA =  $\frac{1}{6} + \frac{1}{12} = \frac{1}{4}$   
ATQ,  
First three days work =  $\frac{5}{36} + \frac{2}{9} + \frac{1}{4} = \frac{11}{18}$   
Next two days work (by AB and BC together)  $\frac{5}{36} + \frac{2}{9} = \frac{13}{36}$   
Remaining work after 5 days =  $1 - \left(\frac{11}{18} + \frac{13}{36}\right) = \frac{1}{36}$   
 $\therefore$  Required time =  $3 + 2 + \frac{4}{36} = 5\frac{1}{9}$  days

59. (2) Let present ages of Ria and Shweta be  $4x$  and  $7x$  respectively.

$\therefore$  Abby's present age =  $(7x + 4)$  years  
ATQ,

$$4x + 7x + 4 = 48$$

$$\Rightarrow x = 4$$

$\therefore$  Abby's age two years ago =  $(7x + 4) - 2$

$$\Rightarrow 32 - 2 = 30 \text{ years}$$

60. (1) Let age of Sulekha =  $9x$

Age of Arunima =  $8x$

ATQ,

$$\frac{9x + 5}{8x + 5} = \frac{10}{9}$$

$$\Rightarrow 81x + 45 = 80x + 50$$

$$\Rightarrow x = 5$$

$\therefore$  Required difference = 5 years

$$61. (3) \begin{array}{cccccc} 54 & 77 & 116 & 187 & 322 & \mathbf{585} \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ +23 & +39 & +71 & +135 & +263 & \\ \hline & \uparrow & \uparrow & \uparrow & \uparrow & \\ & +16 & +32 & +64 & +128 & \end{array}$$

$$62. (3) 1 \times 1 + 1 = 2$$

$$2 \times 2 + 2 = 6$$

$$6 \times 3 + 3 = \mathbf{21}$$

$$21 \times 4 + 4 = 88$$

$$88 \times 5 + 5 = 445$$

$$63. (5) 1 \times 1.5 + 2 = 3.5$$

$$3.5 \times 2 - 2 = 5$$

$$5 \times 2.5 + 2 = 14.5$$

$$14.5 \times 3 - 2 = 41.5$$

$$41.5 \times 3.5 + 2 = \mathbf{147.25}$$

$$64. (4) 11^2 - 2^3 = 121 - 8 = 113$$

$$13^2 - 4^3 = 169 - 64 = 105$$

$$15^2 - 6^3 = 225 - 216 = 9$$

$$17^2 - 8^3 = 289 - 512 = \mathbf{-223}$$

$$19^2 - 10^3 = 361 - 1000 = \mathbf{-639}$$

$$65. (1) 71 + 5 = 76$$

$$75 + 8 = 84$$

$$84 + 13 = 97$$

$$97 + 21 = 118$$

$$118 + 34 = \mathbf{152}$$

$$66. (1) \text{ Total revenue in 2011} = 700 \times \frac{300}{175}$$

$$= 1200 \text{ million}$$

Soojit's average revenue per film

$$\frac{36}{360} \times 700$$

$$= \frac{40}{300} \times 15 = 35 \text{ million}$$

$$\text{Required \%} = \frac{35}{1200} \times 100 = 2.91\%$$

$$67. (2) \text{ Ramu's average revenue} = \frac{\frac{90}{360} \times 700}{\frac{80}{300} \times 15}$$

$$= \frac{700}{16} \text{ million}$$

$$\text{SLB's average revenue} = \frac{\frac{72}{360} \times 700}{\frac{60}{300} \times 15}$$

$$= \frac{700}{15} \text{ million}$$

$$\text{Required ratio} = \frac{700}{16} : \frac{700}{15} = 15 : 16$$

68. (3) No. of thriller genre films

$$= \frac{40}{100} \times \frac{100}{300} \times 15 = 2$$

No. of non-thriller genre films =  $5 - 2 = 3$   
Average revenue generated from thriller

$$\text{genre films} = \frac{210 - 3 \times 60}{200} = 15 \text{ million}$$

$$\text{Average revenue by Raju} = \frac{\frac{54}{360} \times 700}{\frac{20}{300} \times 15}$$

$$= 105 \text{ million}$$

$$\therefore \text{Required \%} = \frac{15}{105} \times 100 = 14.28\%$$

$$69. (4) \text{ Money invested by Soojit} = \frac{100}{80} \times \frac{36}{360} \times$$

$$700 = 87.5 \text{ million}$$

Average revenue to make 25% profit

$$\frac{125}{100} \times 87.5$$

$$= \frac{40}{300} \times 15 = 54.6875 \text{ million}$$

$$= \text{Rs. } 54687500$$

$$70. (1) \text{ Total revenue in 2011} = 700 \times \frac{100}{40}$$

$$= 1750 \text{ million}$$

Total no. of films released in 2011

$$= \frac{1750}{50} = 35$$

$$\text{Required \%} = \frac{15}{35} \times 100$$

$$= 42.85\%$$

**ENGLISH LANGUAGE**

86. (4) 'Where' replace with 'which'.  
 87. (1) 'government' replace with 'government's'.  
 88. (2) 'not only' place after 'to fund'.  
 89. (3) 'Him' replace with 'them' because this pronoun come for two noun (Vipin and Nitin)
90. (2) 'an' will use before 'ideal place'.  
 91. (2) 'student' replace with 'students'.  
 92. (3) 'Plan' replace with 'plans (singular)'.  
 93. (4) 'to' replace with 'at'.  
 94. (1) 'Fewer' (comparative) replace with 'few' because there is no comparison.  
 95. (4) 'Adequately' (Adverb) replace with adequate (Adjective).

**VOCABULARIES**

Words	Meaning in English	Meaning in Hindi
Apprise	To inform or explain	सूचित करना
Baroque	Decorative	भव्य
Bloated (Adj)	Swollen with fluid organs	द्रव या गैस के साथ सूजन
Conviction	Belief, confidence	धारणा, विश्वास
Debacle	A great disaster or complete failure	आपदा या पूर्ण विफलता
Desperation	Extreme anxiety or worry	बेचेनी
Dormant	Inactive	निष्क्रिय
Drastically	Hugely, severely	बहुत अधिक
Exorbitant	Excessive or very high	बहुत अधिक
Forerunner	A person or thing the precedes the coming or development or something else	पूर्वज या पूर्ववती
Hibernation	A condition of inactivity	निष्क्रियता की स्थिति
Hobbled by	Afflicted by	पीड़ित
Impotence	Weakness, inability	कमजोरी
Invigorate	To energize or refresh	उर्जावान बना देना
Jeopardy	Danger	खतरा
Redeeming	servicing of offset or compensate for a defeat	बुरी स्थिति से बचाने वाला

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### SBI PO PHASE - I - 191 (ANSWER KEY)

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

**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