

SBI PO PHASE - I - 142 (SOLUTION)

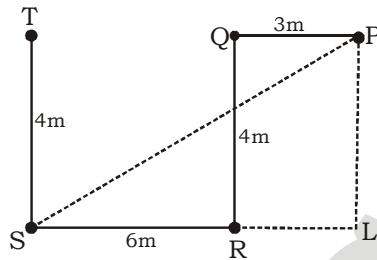
REASONING

(1-5) :

Player	Country	Game
P	China	Cricket
Q	Bangladesh	Badminton
R	Russia	Hockey
S	France	Basketball
T	England	Football
V	India	Table Tennis
W	Pakistan	Volleyball

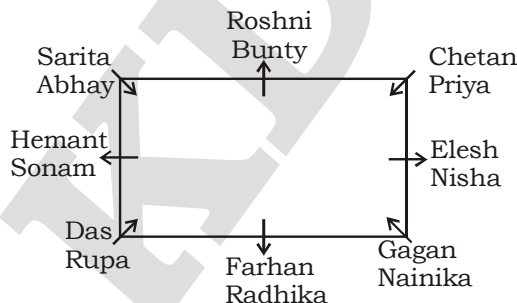
1. (3) 2. (1) 3. (5)
4. (4) 5. (2)

(6-8):



6. (2)
7. (4)
8. (1) $SP = \sqrt{SL^2 + PL^2}$
 $= \sqrt{9^2 + 4^2}$
 $= \sqrt{81 + 16}$
 $= \sqrt{97} \text{ m}$

(9-13):



9. (5) 10. (3) 11. (5)
12. (5) 13. (1)

(14-18) :

14. (4) $J > S = U < R$
I. $R > J \rightarrow$ False

$K \geq S = U > L$

- II. $L = K \rightarrow$ False

Neither conclusion I nor II is true

15. (4) $K > W \geq C \leq L = X$

- I. $X > K \rightarrow$ False

- II. $L \leq W \rightarrow$ False

Neither conclusion I nor II is true

16. (5) $R \leq A < M \leq S$

- I. $S > R \rightarrow$ True

$S \geq M \geq T \geq Y$

- II. $Y \leq S \rightarrow$ True

Both conclusions I and II are true

17. (2) $D > W < K$

- I. $D > K \rightarrow$ False

$D > W \geq C \geq L$

- II. $L < D \rightarrow$ True

Only conclusion II is true

18. (3) $U \geq P = B = K \geq L$

- I. $L < U \rightarrow$ True

- II. $U = L \rightarrow$ False

Either conclusion I or II is true

(11-15):

Day	11:00 AM	4:00 PM
Monday	V → Red	Q → Blue
Tuesday	X → Green	S → Yellow
Wednesday	T → Pink	R → Purple
Thursday	U → Black	P → Brown
Friday	W → White	Y → Grey

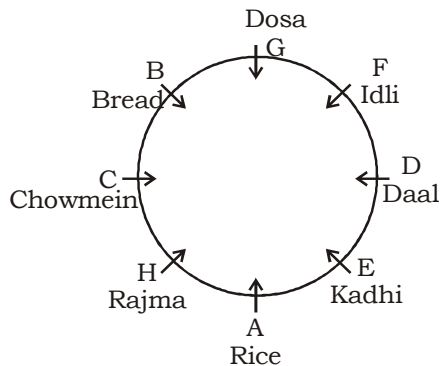
19. (4) 20. (5) 21. (3)
22. (2) 23. (3)

(24-28) :

he **who** knows **dear** ma **co** **he** **mx**
dear is a good servant **mx** mh la sa ox
poor knows **dear** **mx** **he** **kl**
who is servant of **poor** **kl** mh **co** ze ox
dear → mx knows → he
poor → kl who → co

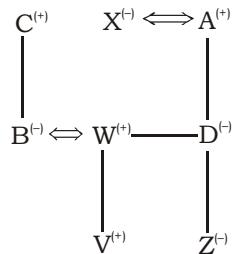
24. (5) 25. (5) 26. (5)
27. (1) 28. (3)

(29-33):



29. (1) 30. (2) 31. (3)
32. (4) 33. (5)

(34-35):



34. (4) 35. (1)

Maths

(36-40) :

36. (2) 75% of 1228 + 45% of 400 = ?
 $\Rightarrow ? = \frac{75}{100} \times 1228 + \frac{45}{100} \times 400$
 $= 921 + 180 = 1101$
37. (5) $1520 + 18420 + 1680 \div 80 = ?$
 $\Rightarrow ? = 1520 + 18420 + 21 = 19961$
38. (3) $?\%$ of 6300 = 225 - 44% of 225
 $\Rightarrow 6300 \times \frac{?}{100} = 225 - 225 \times \frac{44}{100}$
 $\Rightarrow 63 \times ? = 126$
 $\Rightarrow ? = \frac{126}{63} = 2$
39. (2) $\sqrt[3]{5832} \times \sqrt{361} = 18\%$ of $190 \times ?$
 $\Rightarrow 18 \times 19 = \frac{18}{100} \times 190 \times ?$
 $\Rightarrow ? = \frac{18 \times 19 \times 100}{18 \times 190} = 10$
40. (1) $?\%$ of 50 + 25% of 444 = 202
 $\Rightarrow 50 \times \frac{?}{100} + \frac{25}{100} \times 444 = 202$

$$\Rightarrow \frac{?}{2} = 202 - 111$$

$$\Rightarrow ? = 91 \times 2 = 182$$

(41-45) :

41. (4) The number of male employees in the company

$$P = 12000 \times \frac{20}{100} - 8000 \times \frac{30}{100} = 0$$

$$Q = 12000 \times \frac{15}{100} - 8000 \times \frac{10}{100} = 1000$$

$$R = 12000 \times \frac{5}{100} - 8000 \times \frac{2}{100} = 440$$

$$T = 12000 \times \frac{12}{100} - 8000 \times \frac{14}{100} = 320$$

$$U = 12000 \times \frac{13}{100} - 8000 \times \frac{14}{100} = 440$$

42. (2) Required number of male employees

$$= 12000 \times \frac{5}{100} - 8000 \times \frac{2}{100} = 440$$

43. (1) Required ratio

$$= (12000 \times \frac{35}{100} - 8000 \times \frac{30}{100}) : 8000 \times \frac{30}{100}$$

$$= 1800 : 2400 = 3 : 4$$

44. (3)

45. (2) Number of female employees in company

$$U = 8000 \times \frac{14}{100} = 1120$$

Number of male employees in company

$$U = 12000 \times \frac{13}{100} - 8000 \times \frac{14}{100} = 440$$

$$\therefore \text{Required}\% = \left(\frac{1120 - 440}{440} \times 100 \right)\%$$

$$= 154.54\% \approx 155\%$$

(46-50):

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

$$245 + 1^2 = 246$$

$$246 + 3^2 = 255$$

$$255 + 5^2 = \mathbf{280}$$

$$280 + 7^2 = 329$$

$$329 + 9^2 = 410$$

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

$$16 + (1^2 + 1) = 18$$

$$18 + (2^2 + 2) = 24$$

$$24 + (3^2 + 3) = 36$$

$$36 + (4^2 + 4) = \mathbf{56}$$

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

$$7 + 11 \times 1 = \mathbf{18}$$

$$18 + 11 \times 2 = 40$$

$$40 + 11 \times 3 = 73$$

$$73 + 11 \times 4 = 117$$

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

$$14 + 2^3 = 22$$

$$22 + 3^3 = 49$$

$$49 + 4^3 = 113$$

$$113 + 5^3 = 238$$

$$238 + 6^3 = 454$$

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

$$54 + 9 \times 1 = 63$$

$$63 + 9 \times 2 = 81$$

$$81 + 9 \times 3 = 108$$

$$108 + 9 \times 4 = 144$$

51. (3) Let the principal be ₹ P.

ATQ,

$$\frac{P \times 10 \times 5 + P \times 8 \times 7 + P \times 12 \times 3}{100} = 170400$$

$$\Rightarrow 142P = 170400 \times 100$$

$$\Rightarrow P = \frac{170400 \times 100}{142} = ₹1,20,000$$

52. (3) SP of each pen

$$= (3600 + 900) \times \frac{110}{100} \times \frac{1}{12}$$

$$= ₹412.50$$

53. (1) Students who like cricket

$$= 125 \times \frac{20}{100} = 25$$

Students who like football

$$= 125 \times \frac{2}{5} = 50$$

Students who like swimming

$$= (125 - 25 - 50) \times \frac{2}{5} = 20$$

$$\therefore \text{Required ratio} = 25 : 20 = 5 : 4$$

54. (1) Required average

$$= \frac{15 \times 167 + 18 \times 177 + 7 \times 173}{40}$$

$$= \frac{2505 + 3186 + 1211}{40}$$

$$= \frac{6902}{40} = 172.55 \text{ kg}$$

55. (4) $4500 = P \left(1 + \frac{R}{100}\right)^4$... (i)

$4770 = P \left(1 + \frac{R}{100}\right)^5$... (ii)

Equation (ii) ÷ (i), we get,

$$\frac{4770}{4500} = 1 + \frac{R}{100}$$

$$\Rightarrow \frac{477}{450} - 1 = \frac{R}{100}$$

$$\Rightarrow \frac{27}{450} = \frac{R}{100}$$

$$\Rightarrow R = \frac{27 \times 100}{450} = 6\%$$

(56-60) :

56. (1) Required sum

$$= \left(70 \times \frac{80}{100} + 25 \times \frac{70}{100}\right) \times 1000$$

$$= (56 + 17.5) \times 1000 = 73,500$$

57. (3) Average number of items produced by company M in all the years together.

$$= \frac{30 + 35 + 50 + 30 + 20 + 35}{6} = 33.36$$

58. (2) Required total

$$= \left(20 \times \frac{120}{100} + 45 \times \frac{115}{100} + 35 \times \frac{112}{100}\right) \times 1000$$

$$= (24 + 51.75 + 39.20) \times 1000$$

$$= 1,14,950$$

59. (2) Required%

$$= \left(\frac{70 + 20 + 55 + 60 + 55}{35 + 30 + 75 + 55 + 25} \times 100\right)\%$$

$$= \left(\frac{260}{220} \times 100\right)\% = 118.18\%$$

$$\approx 118\%$$

60. (1) Required ratio = 70 : 75 = 14 : 15

61. (1) Let the CP of chair be ₹ x

ATQ,

$$x + x \times \frac{130}{100} = 690$$

$$\Rightarrow \frac{23x}{10} = 690$$

$$\Rightarrow x = \frac{690 \times 10}{23} = ₹300$$

$$\therefore \text{Price of table} = 690 - 300 = ₹390$$

62. (3) Let the speed of car be x km/hr

$$\therefore \text{Speed of train} = x \times \frac{150}{100} = \frac{3x}{2} \text{ km/hr.}$$

ATQ,

$$\frac{330}{x} - \frac{330}{\frac{3x}{2}} = \frac{88}{100}$$

$$\Rightarrow \frac{330}{x} - \frac{220}{x} = \frac{88}{60}$$

$$\Rightarrow \frac{110}{x} = \frac{88}{60}$$

$$\Rightarrow x = \frac{110 \times 60}{88} = 75 \text{ km/hr}$$

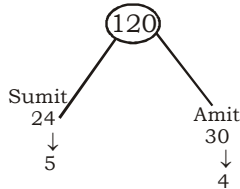
$$\therefore \text{Speed of train} = 75 \times \frac{150}{100}$$

$$= 112.5 \text{ km/hr}$$

63. (3) Sumit's work in 4 day = $\frac{4}{24} = \frac{1}{6}$

Remaining work = $1 - \frac{1}{6} = \frac{5}{6}$

∴ Amit alone completes the work in $\frac{22}{5} \times 6$
= 30 days



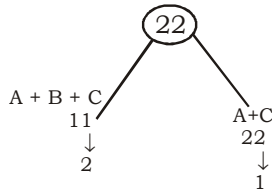
∴ Both of them together complete the work
in $\frac{120}{9} = \frac{40}{3} = 13\frac{1}{3}$ days

64. (1) (A + B + C)'s work in 3 hrs = $\frac{3}{11}$

Remaining part = $1 - \frac{3}{11} = \frac{8}{11}$

(A + B)'s complete the work in

$\frac{16}{8} \times 11 = 22$ hours.



∴ B alone works in $\frac{22}{2-1} = 22$ hrs.

65. (4) 10% = $\frac{1}{10}$

$$\begin{array}{r} 10 \quad 11 \\ \hline 10 \quad 11 \end{array}$$

P = 100 121 = A
CI = 121 - 100 = ₹21

∴ P = $\frac{4200}{21} \times 100 = ₹20,000$

SI = $\frac{20000 \times 2 \times 10}{100} = ₹4,000$

(66-70):

66. (5) I. $x^2 + 24 = 11x$
 $\Rightarrow x^2 - 11x + 24 = 0$
 $\Rightarrow x^2 - 8x - 3x + 24 = 0$
 $\Rightarrow x(x - 8) - 3(x - 8) = 0$
 $\Rightarrow x = 3, 8$

II. $2y^2 + 24 = 14x$
 $\Rightarrow y^2 - 7y + 12 = 0$
 $\Rightarrow y^2 - 4y - 3y + 12 = 0$
 $\Rightarrow y(y - 4) - 3(y - 4) = 0$
 $\Rightarrow y = 3, 4$

67. (1) I. $x^2 + 36 = 12x$
 $\Rightarrow x^2 - 12x + 36 = 0$
 $\Rightarrow x^2 - 6x - 6x + 36 = 0$
 $\Rightarrow x(x - 6) - 6(x - 6) = 0$
 $\Rightarrow x = 6, 6$

II. $4y^2 + 64 = 32y$
 $\Rightarrow y^2 - 8y + 16 = 0$
 $\Rightarrow y^2 - 4y - 4y + 16 = 0$
 $\Rightarrow y(y - 4) - 4(y - 4) = 0$
 $\Rightarrow y = 4, 4$

Clearly, $x > y$

68. (5) I. $3x^2 + 21x + 30 = 0$
 $\Rightarrow x^2 + 7x + 10 = 0$
 $\Rightarrow x^2 + 5x + 2x + 10 = 0$
 $\Rightarrow x(x + 5) + 2(x + 5) = 0$
 $\Rightarrow x = -5, -2$

II. $3y^2 + 17y + 24 = 0$
 $\Rightarrow 3y^2 + 9y + 8y + 24 = 0$
 $\Rightarrow 3y(y + 3) + 8(y + 3) = 0$
 $\Rightarrow y = -3, -\frac{8}{3}$

69. (5) I. $x^2 + 16x + 55 = 0$
 $\Rightarrow x^2 + 11x + 5x + 55 = 0$
 $\Rightarrow x(x + 11) + 5(x + 11) = 0$
 $\Rightarrow x = -5, -11$

II. $y^2 + 16y + 63 = 0$
 $\Rightarrow y^2 + 9y + 7y + 63 = 0$
 $\Rightarrow y(y + 9) + 7(y + 9) = 0$
 $\Rightarrow y = -9, -7$

70. (1) I. $x^2 = 9$
 $\Rightarrow x = +3, -3$
 II. $y^2 + 6y = -9$
 $\Rightarrow y^2 + 6y + 9 = 0$
 $\Rightarrow y^2 + 3y + 3y + 9 = 0$
 $\Rightarrow y(y + 3) + 3(y + 3) = 0$
 $\Rightarrow y = -3, -3$

Clearly, $x \geq y$

ENGLISH LANGUAGE

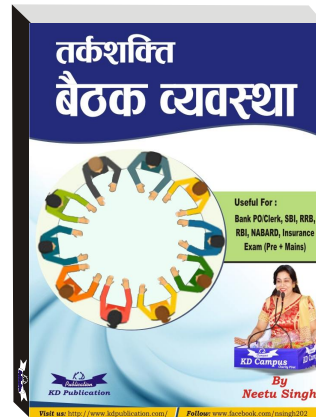
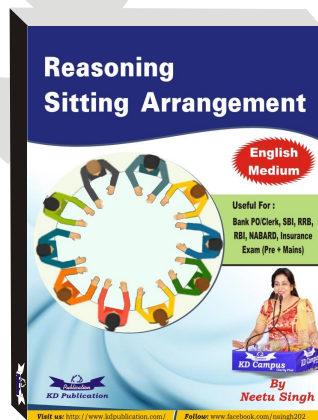
(81-85):

81. (5) No error
 82. (3) Change 'creates' with 'create'.
 83. (1) Change 'at times' with 'at a time'.
 84. (4) Change 'of' with 'off'.
 85. (4) 'Change' 'wants' with 'want'.

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Viability	the long-term viability of the business	व्यहार्यता
Commensurate	corresponding in size or degree; in proportion	अनुरूप
Acquisition	an asset or object bought or obtained, typically by a library or museum	अर्जन
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
Yielding	(of a substance or object) giving way under pressure; not hard or rigid	उपज
Perception	the ability to see, hear, or become aware of something through the senses	अनुभूति
Multitude	a large number	भीड़
Coincide	occur at or during the same time	मेल खाना
Ubiquitous	present, appearing, or found everywhere	देशव्यापी
Prerequisite	required as a prior condition	शर्त
Latency	latent period, reaction time, response time	विलंब
Handful	a quantity that fills the hand	मुट्टी
Solitude	the state or situation of being alone	एकांत
Quintessential	representing the most perfect or typical example of a quality or class	सर्वोत्कृष्ट
Omnipresent	(of God) present everywhere at the same time	सर्व-भूत
Emaciated	abnormally thin or weak, especially because of illness or a lack of food	क्षीण
Perturbed	anxious or unsettled; upset	व्यग्र
Expedited	make (an action or process) happen sooner or be accomplished more quickly	शीघ्र
Repressed	restrained, inhibited, or oppressed	स्तंभित
Pursuit	the action of following or pursuing someone or something	पीछा
Primordial	existing at or from the beginning of time; primeval	मौलिक
Yearning	a feeling of intense longing for something	तड़प

For all Bank PO/ Clerk Exams



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SBI PO PHASE - I - 142 (ANSWER KEY)

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

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