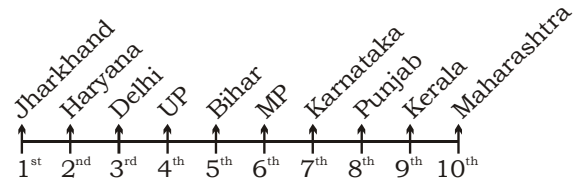
SBI PO PHASE - I - 147 (SOLUTION)

REASONING

(1–5) :



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

(6–10):

6. (4) S ≥ U > Q ≥ R < P = O ≥ T
   I. S ≥ R → False
   II. P > T → False
   III. Q < T → False
   IV. U > R → True
   Only IV is ture
7. (2) E < D < F > C ≥ A = B
   I. A < E → False
   II. F > B → True
   III. E > C → False
   IV. B > C → False
   Only II is true
8. (2) O = R ≤ M < N = P > I
   I. O < I → False
   II. R < N → True
   III. N < I → False
   IV. O = I → False
   Only II is true
9. (3) P < A > S ≤ M < T < Q = B
   I. P < T → False
   II. S ≤ T → False
   III. M < Q → True
   IV. B = M → False
   Only III is true
10. (3) H = K ≤ N = F > G ≤ J < I
    I. H < G → False
    II. G < I → True
    III. K = G → False
    IV. K < G → False
    Only II is true

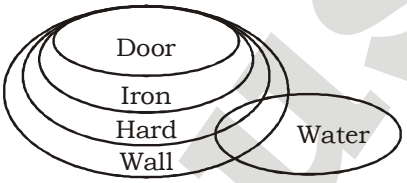
(11-15):

Day	Person	Company
Monday	R	HP
Tuesday	U	Microsoft
Wednesday	M/S	Amazon
Thursday	N	Snapdeal
Friday	T	Flipkart
Saturday	Q	samsung
Sunday	S/M	Infosys

11. (1) 12. (3) 13. (2)
14. (2) 15. (3)

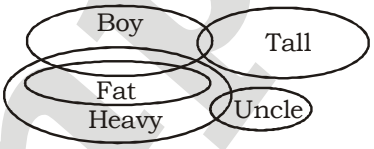
(16-20) :

16. (5)



I. True II. True
III. True IV. True
All follow

17. (4)



I. False II. False
III. True IV. True
Only III and IV follow

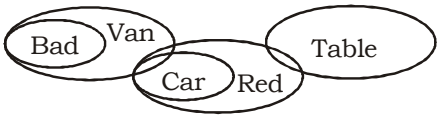
18. (2)

I. False II. True
III. True IV. False
Only II and III follow

19. (4)

I. False II. False
III. False IV. False
None follows

20. (4)



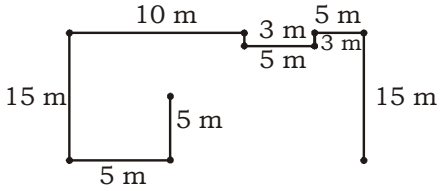
I. True II. True
III. True IV. True
All follow

(21-25):

Floor	Person	Birthday
7	C	April
6	Q	May
5	P	January
4	A	February
3	S	July
2	B	March
1	R	June

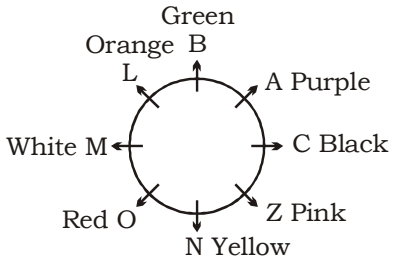
21. (1) 22. (2) 23. (3)
24. (4) 25. (3)

(26-27) :

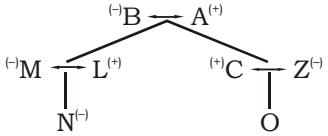


26. (1) 27. (4)

(28–32):

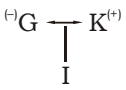


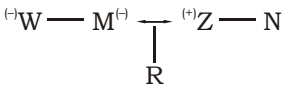
Family Tree

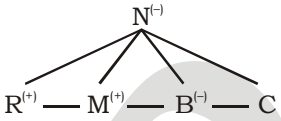


28. (3) 29. (4) 30. (1)
31. (5) 32. (2)

(33–35):

33. (2) 

34. (4) 

35. (4) 

Maths

(36-40) :

36. (5) $(99.99 - 719.89 \div \sqrt{80.88})^2 = ?$
$\Rightarrow ? \approx (100 - 720 \div 9)^2$
$= (100 - 80)^2 = 400$

37. (3) $5024.95 \div 24.75 \times 14.99 - 149.85 = ?$
$\Rightarrow ? \approx 5025 \div 25 \times 15 - 150$
$= 201 \times 15 - 150$
$= 3015 - 150 = 2865$

38. (2) 17.92% of 325.02–24.03% of 199.97=?
$\Rightarrow ?$ ≈ 18% of 325 – 24% of 200
$= 325 \times \frac{18}{100} - 200 \times \frac{24}{100}$
$= 58.5 - 48 = 10.5$

39. (2) $21.0021 - 6.0879 + 13.1018 = (3.5 + ?) \times 2$
$\Rightarrow (3.5 + ?) \times 2 \approx 21 - 6 + 13$
$\Rightarrow 3.5 + ? = \frac{28}{2}$
$\Rightarrow ? = 14 - 3.5 = 10.5$

40. (2) $120 \div 4.99 \times (2.97)^3 \div 9 = ?$
$\Rightarrow ? \approx 120 \div 5 \times (3)^3 \div 9$
$= 24 \times 3 = 72$

(41-45) :

41. (3) Number of male officers in BOB
$= 1000 \times \frac{38}{100} - 100 = 280$
$\therefore$ Required ratio
$= 280 : 100 = 14 : 5$

42. (3) Number of officers in HDFC
$= 500 \times \frac{150}{100} \times \frac{16}{100} = 120$

43. (5) Number of officers in CBI
$= 2500 \times \frac{40}{100} = 1{,}000$
$\therefore$ Number of officers in BOM
$= (635 \times 2) - 1000 = 270$
Number of female officers in BOM
$= \frac{270}{9} \times 4 = 120$
$\therefore$ Required % $= \left(\frac{120}{500} \times 100\right)\% = 24\%$

44. (2) Required total number of employees in BOI $= \frac{150}{2} \times 12 \times \frac{100}{60} = 1{,}500$

45. (4) Required % $= \left(\frac{\frac{4}{8} \times 3}{5} \times 100\right)\% = 30\%$

(46-50):

46. (2) The number series is as follows:
$2 + 11^2 = 123$
$123 + 10^2 = 223$
$223 + 9^2 =$ **304**
$304 + 8^2 = 368$
$368 + 7^2 = 417$

47. (1) The number series is as follows:
$16 + 880 = 896$
$896 + 440 = 1336$
$1336 + 220 =$ **1556**
$1556 + 110 = 1666$
$1666 + 55 = 1721$

48. (3) The number series is as follows:
$19 + 3^3 = 46$
$46 + 4^3 = 110$
$110 + 5^3 = 235$
$235 + 6^3 =$ **451**
$451 + 7^3 = 794$

49. (4) The number series is as follows:
$13 + (5^2 - 2) = 36$
$36 + (6^2 - 2) = 70$
$70 + (7^2 - 2) = \mathbf{117}$
$117 + (8^2 - 2) = 179$
$179 + (9^2 - 2) = 258$

50. (2) The number series is as follows:
$679 + 551 = 1230$
$1230 + 1102 = 2332$
$2332 + 1653 = 3985$
$3985 + 2204 = \mathbf{6189}$
$6189 + 2755 = 8944$

51. (4)

52. (5) Monika = 100
Sneha = 300

$$\text{Ekta} = \frac{300}{125} \times 100 = 240$$

$\therefore$ Sneha's annual income

$$= \frac{34000}{240} \times 300 \times 12$$

$= ₹\ 5,10,000$

53. (1) Sonu's increment

$$= 7800 \times \frac{12}{100} = ₹\ 936$$

Now, Sonu's present salary
$= 6400 + 936 = ₹\ 7,336$
$\therefore$ Total amount got in 4 months after increment $= 4 \times 7336 = ₹\ 29,344$

54. (5) Let the first number is x
ATQ,
$x + (x + 2) + (x + 4) + (x + 6) + (x + 8) + (x + 10) + (x + 12) = 658$
$\Rightarrow \quad 7x + 42 = 658$
$\Rightarrow \quad 7x = 658 - 42$

$$\Rightarrow \quad x = \frac{616}{7} = 88$$

$\therefore$ Smallest number of second set
$= 88 + 18 = 106$
$\therefore$ Required sum $= 106 + 108 + 110 + 112 + 114 + 116 + 118 = 784$

55. (5) Let the age of Lalit 9 years ago be x years.

$$\text{Today his age} = x \times \frac{4}{3} = \frac{4x}{3} \text{ years}$$

ATQ,

$$x + 9 = \frac{4x}{3}$$

$\Rightarrow \quad 3x + 27 = 4x$
$\Rightarrow \quad x = 27$ years
$\therefore$ His daughter age two years ago

$$= (27 + 9) \times \frac{1}{6} - 2 = 4 \text{ years}$$

(56-60) :

56. (4) Let the expenditure of company P and company Q in the year 2010 is ₹ 100
$\therefore$ Required ratio

$$= 100 \times \frac{135}{100} : 100 \times \frac{140}{100}$$

$= 27 : 28$

57. (5) Required sum

$$= \frac{35 + 40 + 45 + 40 + 50 + 30}{6} + \frac{40 + 45 + 40 + 35 + 30 + 40}{6}$$

$$= \frac{240}{6} + \frac{230}{6}$$

$= 60 + 38.33 = 98.33$

58. (1) Required expenditure

$$= \left(\frac{1.5}{40} \times 100\right) = ₹\ 3.75 \text{ lakh}$$

59. (4) Let the income of company P and company Q in the year 2012 is ₹ 100.
$\therefore$ Required ratio

$$= \frac{100}{145} \times 100 : \frac{100}{140} \times 100$$

$= 140 : 145$
$= 28 : 29$

60. (4)

61. (3) Let the each son receives = ₹ x
$\therefore$ Each daughter receives = ₹ $3x$
ATQ,
$(3x \times 2) + (3 \times x) = 1,08,000$
$\Rightarrow \quad 9x = 1,08,000$

$$\Rightarrow \quad x = \frac{108000}{9} = ₹\ 12,000$$

$\therefore$ Each daughter receives
$= 12000 \times 3 = ₹\ 36,000$

62. (2) Time $= \frac{420}{70} = 6$ hr

$$\therefore \text{ Speed of train} = \frac{420 - 36}{6} = 64 \text{ km/hr}$$

63. (3) $P = \frac{4000 \times 100}{8 \times 4} = ₹\ 12,500$

$$\therefore \text{ CI} = 12500 \times \frac{108}{100} \times \frac{108}{100} - 12500$$

$= ₹\ 2,080$

64. (4) Anil = ₹ 70

$$\text{Sunil} = 70 \times \frac{130}{100} = ₹\ 91$$

$$\text{Deepak} = \frac{70}{70} \times 100 = ₹\ 100$$

ATQ,
$(100 - 91)$ unit $\rightarrow$ 1350

$$\therefore \quad 70 \text{ unit} \rightarrow \frac{1350}{9} \times 70 = ₹\ 10,500$$

65. (5) $2M \times 4 = 3W \times 4$

$\Rightarrow \quad 8M = 12W$

$\Rightarrow \quad 1M = \frac{12}{8}W = \frac{3}{2}W$

$1M + 1W = \frac{3}{2}W + 1W = \frac{5}{2}W$

$\therefore$ Required time $= \frac{3 \times 4 \times 2}{5}$

$= \frac{24}{5}$ days $= 4\frac{4}{5}$ days

(66 – 70):

66. (1) I. $x^2 - 43x + 450 = 0$

$\Rightarrow x^2 - 25x - 18x + 450 = 0$

$\Rightarrow x(x - 25) - 18(x - 25) = 0$

$\Rightarrow x = 18, 25$

II. $y^2 - 33y + 272 = 0$

$\Rightarrow y^2 - 17y - 16y + 272 = 0$

$\Rightarrow y(y - 17) - 16(y - 17) = 0$

$\Rightarrow y = 17, 16$

Clearly, $x > y$

67. (3) I. $x^2 - 28x + 195 = 0$

$\Rightarrow x^2 - 15x - 13x + 195 = 0$

$\Rightarrow x(x - 15) - 13(x - 15) = 0$

$\Rightarrow x = 13, 15$

II. $y^2 - 35y + 306 = 0$

$\Rightarrow y^2 - 18y - 17y + 306 = 0$

$\Rightarrow y(y - 18) - 17(y - 18) = 0$

$\Rightarrow y = 17, 18$

Clearly, $x < y$

68. (1) I. $x^2 - 38x + 345 = 0$

$\Rightarrow x^2 = 15x - 23x + 345 = 0$

$\Rightarrow x(x - 15) - 23(x - 15) = 0$

$\Rightarrow x = 15, 23$

II. $y^2 - 23y + 130 = 0$

$\Rightarrow y^2 - 13y - 10y + 130 = 0$

$\Rightarrow y(y - 13) - 10(y - 13) = 0$

$\Rightarrow y = 13, 10$

Clearly, $x > y$

69. (3) I. $x^2 = 64$

$\Rightarrow x = +8, -8$

II. $y^2 - 30y + 225 = 0$

$\Rightarrow y^2 - 15y - 15y + 225 = 0$

$\Rightarrow y(y - 15) - 15(y - 15) = 0$

$\Rightarrow y = 15, 15$

Clearly, $x < y$

70. (5) I. $x^2 - 30x + 221 = 0$

$\Rightarrow x^2 - 17x - 13x + 221 = 0$

$\Rightarrow x(x - 17) - 13(x - 17) = 0$

$\Rightarrow x = 13, 17$

II. $y^2 - 31y + 240 = 0$

$\Rightarrow y^2 - 15y - 16y + 240 = 0$

$\Rightarrow y(y - 15) - 16(y - 15) = 0$

$\Rightarrow y = 15, 16$

ENGLISH LANGUAGE

(81–85):

81. (4) Change 'hope' with 'hoping'.
82. (5) No error
83. (2) Change 'being' with 'been'.
84. (3) Change 'worked' with 'working'.
85. (2) Change 'feels' with 'feel'.

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Unleash	release from a leash or restraint	खड़ा कर देना
Flak	antiaircraft fire	आलोचना
Brisk	active, fast, and energetic	तेज
Slump	a sudden severe or prolonged fall in the price, value, or amount of something	मंदी
Thrilled	cause (someone) to have a sudden feeling of excitement and pleasure	रोमांचित
Prompt	done without delay; immediate	शीघ्र
Infamous	well known for some bad quality or deed	बदनाम
Stubborn	having or showing dogged determination not to change one's attitude or position on something, especially in spite of good arguments or reasons to do so	जिद्दी
Boon	a thing that is helpful or beneficial	वरदान
Stagnation	doldrums	स्थिरता
sluggish	slow-moving or inactive	सुस्त
Restrain	prevent (someone or something) from doing something; keep under control or within limits	नियंत्रित करना
Vent	an opening that allows air, gas, or liquid to pass out of or into a confined space	बाहर निकलने देना
Criticism	the expression of disapproval of someone or something based on perceived faults or mistakes	आलोचना
Condemnation	the expression of very strong disapproval; censure	निंदा
Aroused	evoke or awaken (a feeling, emotion, or response)	जगाया
Apparatus	the technical equipment or machinery needed for a particular activity or purpose	उपकरण
Regime	a government, especially an authoritarian one	शासन
Excelled	be exceptionally good at or proficient in an activity or subject	उत्कृष्ट प्रदर्शन
Triumph	a great victory or achievement	विजय
Bully	a person who uses strength or power to harm or intimidate those who are weaker	धौंसिया

SBI PO PHASE - I - 147 (ANSWER KEY)

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

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