

SBI CLERK PHASE - I - 135 (SOLUTION)

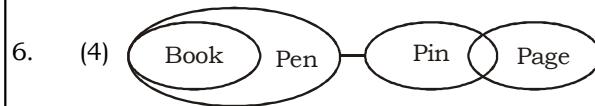
REASONING

(1-5) :

Floor	Person	Bank
8	A	Canara Bank
7	F	Bank of India
6	H	Central Bank of India
5	E	Dena Bank
4	B	Bank of Baroda
3	C	State Bank of India
2	G	Syndicate Bank
1	D	Punjab National Bank

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

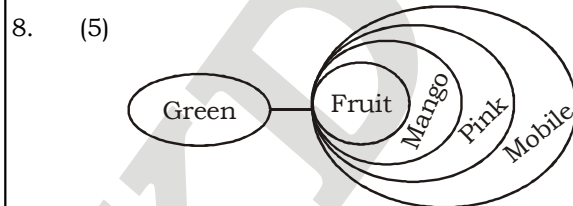
(6-10) :



- I. False II. False
III. False
None follows



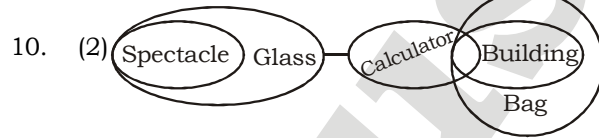
- I. False II. True
Only II follows



- I. False II. True
II. False IV. True

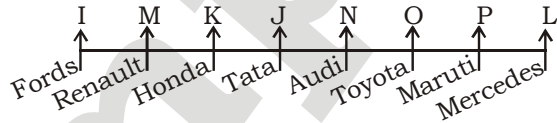


- I. True II. False
Only I follows



- I. False II. True
III. False
Only II follows

(11-15):

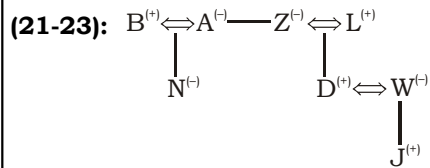


11. (1) 12. (1) 13. (4)
14. (4) 15. (1)

(16 - 20):

- # → ≤ % → =
& → < \$ → ≥
@ → >

16. (1) $Z \geq X > W = V$
I. $Z > V \rightarrow$ True
II. $X = V \rightarrow$ False
Only I is true
17. (4) $B > X \leq F \geq H$
I. $F > B \rightarrow$ False
II. $H = X \rightarrow$ False
III. $H \leq B \rightarrow$ False
None is true
18. (3) $Z < S > T \geq U$
I. $U \leq S \rightarrow$ False
II. $T < Z \rightarrow$ False
III. $S > U \rightarrow$ True
Only III is true
19. (2) $K = H \leq G < I$
I. $H < I \rightarrow$ True
II. $G \geq K \rightarrow$ True
III. $K \leq I \rightarrow$ False
I and II are true
20. (3) $T > Y \geq G \leq W$
I. $G = T \rightarrow$ False
II. $T \leq G \rightarrow$ False
III. $T > G \rightarrow$ True
Only III is true



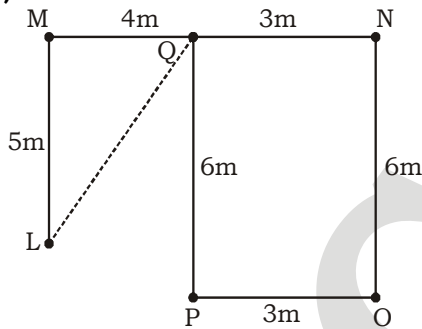
21. (1) 22. (4) 23. (1)

(24-28):

Day	Friend	Hill Station
Monday	Y	Manali
Tuesday	X	Nainital
Wednesday	Z	Nainital
Thursday	K	Ooty
Friday	L	Ooty
Saturday	J	Manali
Sunday	A	Manali

24. (3) 25. (4) 26. (1)
27. (4) 28. (3)

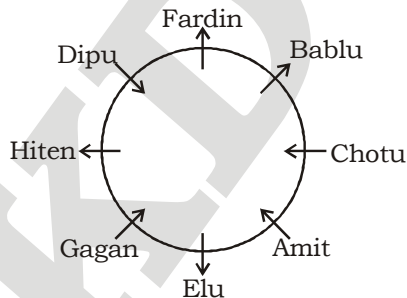
(29-30):



29. (3) $QL = \sqrt{5^2 + 4^2}$
 $= \sqrt{25 + 16} = \sqrt{41} \text{ m}$

30. (4)

(31-35):



31. (2) 32. (3) 33. (1)
34. (2) 35. (3)

Maths

(36-40):

36. (3) $34928 - 2591 - 14986 = ?$
 $\Rightarrow ? = 17351$
 37. (3) $27\% \text{ of } 450 - ?\% \text{ of } 375 = 76.5$

$$\Rightarrow 450 \times \frac{27}{100} - 375 \times \frac{?}{100} = 76.5$$

$$\Rightarrow 375 \times \frac{?}{100} = 121.5 - 76.5$$

$$\Rightarrow ? = \frac{45 \times 100}{375} = 12$$

38. (1) $17\frac{2}{3} \times 1\frac{17}{106} = ?$

$$\Rightarrow \frac{53}{3} \times \frac{123}{106} = \frac{41}{2} = 20\frac{1}{2}$$

39. (2) $(12 \times 19) + (13 \times 8) = (15 \times 14) + ?$

$$\Rightarrow 228 + 104 = 210 + ?$$

$$\Rightarrow ? = 332 - 210 = 122$$

40. (1) $7^{8.9} \div (343)^{1.7} \times (49)^{4.8} = 7^?$

$$\Rightarrow 7^{8.9} \div (7)^{3 \times 1.7} \times (7)^{2 \times 4.8} = 7^?$$

$$\Rightarrow 7^{8.9} \div 7^{5.1} \times 7^{9.6} = 7^?$$

$$\Rightarrow ? = 8.9 - 5.1 + 9.6 = 13.4$$

(41-45):

41. (3) Average number of sale per shopkeeper

$$\text{in city P} = 60 \times \frac{125}{100} = 75$$

\therefore Required number of mobiles

$$= 28 \times 75 \times \frac{3}{7} = 900$$

42. (4) Required number of non-4G mobiles sold

$$\text{in city T} = 24 \times 45 \times \frac{45}{100}$$

$$= 486$$

43. (3) Total number of moiles sold in city Q

$$= \frac{1920}{60} \times 100 = 3,200$$

\therefore Required number of shopkeeper

$$= \frac{3200}{80} = 40$$

44. (2) Total number of mobiles sold in city

$$U = \frac{3150}{7} \times 10 = 4,500$$

\therefore Required number of mobiles

$$= 4500 \times \frac{36}{100} = 1,620$$

45. (5) % of 4G mobiles sold in city S

$$= 36 \times \frac{120}{100} = 43.2\%$$

Total number of mobiles sold in city S

$$= \frac{1420}{56.8} \times 100 = 2,500$$

$$\therefore \text{Reuired average} = \frac{2500 + 1420}{35} = 112$$

(46-50):

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

$$\begin{array}{cccccc} 240 & 48 & 12 & 4 & 2 & 2 \\ \hline & \div 5 & \div 4 & \div 3 & \div 2 & \div 1 \end{array}$$

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

$$\begin{array}{cccccc} & +5 & & +9 & & \\ & | & & | & & \\ 7 & 8 & 4 & 13 & -3 & 22 & -14 \\ \hline & -3 & & -7 & & -11 \end{array}$$

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

$$\begin{aligned} 640 - 2^8 &= 384 \\ 384 - 2^7 &= 256 \\ 256 - 2^6 &= 192 \\ 192 - 2^5 &= 160 \\ 160 - 2^4 &= \mathbf{144} \end{aligned}$$

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

$$\begin{aligned} 11 + (16 \times 1) &= 27 \\ 27 + (16 \times 2) &= \mathbf{59} \\ 59 + (16 \times 3) &= 107 \\ 107 + (16 \times 4) &= 171 \\ 171 + (16 \times 5) &= 251 \end{aligned}$$

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

$$\begin{aligned} 3 + 1^2 &= 4 \\ 4 + 3^2 &= 13 \\ 13 + 5^2 &= 38 \\ 38 + 7^2 &= 87 \\ 87 + 9^2 &= \mathbf{168} \end{aligned}$$

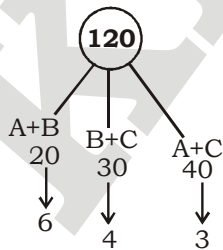
51. (2) According to the options, 253 is right option.
i.e. $352 - 253 = 99$
and $2 + 5 + 3 = 10$
and $2 + 3 = 5$

52. (4) Required quantity of milk

$$\begin{aligned} &= 216 \times \left(1 - \frac{36}{216}\right)^2 \\ &= 216 \times \frac{5}{6} \times \frac{5}{6} = 150 \text{ litres} \end{aligned}$$

53. (1) Required % = $\left(\frac{16-9}{16} \times 100\right)\%$
= $43.75\% \approx 44\%$

54. (4)



\therefore A, B and C complete the work in $\frac{120 \times 2}{13}$

$$= \frac{240}{13} \text{ days}$$

\therefore A completes the work in $1 \div \left(\frac{13}{240} - \frac{1}{30}\right)$
= 48 days

C completes the work in $1 \div \left(\frac{13}{240} - \frac{1}{20}\right)$
= 240 days

\therefore Required ratio = $48 : 240 = 1 : 5$

55. (1) $R = 15\% = \frac{3}{20}$

$$\begin{array}{cc} 20 & 23 \\ 20 & 23 \\ \hline 20 & 23 \end{array}$$

$$P = 8000 \quad 12167 = A$$

\therefore CI = $12167 - 8000 = 4167$

Now, 4167 unit = ₹6500.52

\therefore 8000 units = $\frac{6500.52}{4167} \times 8000$

$$₹12,480$$

(56-60):

56. (5) Number of employees in company Q

in the year 2011 = $200 \times \frac{130}{100} = 260$

\therefore Required ratio = $260 : 320 = 13 : 16$

57. (3) Required difference
= $(320 + 310) - (350 + 270)$
= $630 - 620 = 10$

58. (3) Required average

$$\begin{aligned} &= \frac{200 + 180 + 120 + 200}{4} \\ &= \frac{700}{4} = 175 \end{aligned}$$

59. (2) Required % = $\left(\frac{350 - 140}{350} \times 100\right)\%$
= 60%

60. (4) Required % = $\left(\frac{440 - 260}{260} \times 100\right)\%$
= $69.23\% \approx 69\%$

61. (2) Total distance covered by train in 20

seconds = $108 \times \frac{5}{18} \times 20 = 600$ meters

\therefore Length of platform
= $600 - 280 = 320$ meters

\therefore Required speed of man = $\frac{320}{40}$
= 8 m/s

62. (3) Diameter = 56 cm.

$$\therefore \text{Circumference} = \pi d = \frac{22}{7} \times 56 = 176 \text{ cm.}$$

$$\therefore \text{Perimeter of square} = 272 - 176 = 96 \text{ cm.}$$

$$\text{Side of square} = \frac{96}{4} = 24 \text{ cm.}$$

$$\text{Area of circle} + \text{Area of square} = \pi r^2 + (\text{side})^2$$

$$= \frac{22}{7} \times 28 \times 28 + (24)^2 = 2464 + 576 = 3,040 \text{ sq.cm.}$$

63. (5) Let the sum be ₹x.

ATQ,

$$\frac{x \times 15 \times 5}{100 \times 12} - \frac{x \times 8 \times 4}{12 \times 100} = 129$$

$$\Rightarrow 75x - 32x = 129 \times 1200$$

$$\Rightarrow 43x = 129 \times 1200$$

$$\Rightarrow x = \frac{129 \times 1200}{43} = ₹3,600$$

64. (2) Required probability

$$= \frac{{}^2C_1 \times {}^4C_2 \times {}^3C_1}{{}^9C_4}$$

$$= \frac{2 \times 6 \times 3}{18 \times 7} = \frac{2}{7}$$

65. (2) Required average speed

$$= \frac{30 + 30}{\frac{30}{6} + \frac{30}{3}}$$

$$= \frac{60}{5 + 10} = 4 \text{ km/hr.}$$

(66-70) :

66. (2) I. $x^2 - 11x + 24 = 0$

$$\Rightarrow x^2 - 8x - 3x + 24 = 0$$

$$\Rightarrow x(x - 8) - 3(x - 8) = 0$$

$$\Rightarrow x = 8, 3$$

II. $2y^2 - 9y + 9 = 0$

$$\Rightarrow 2y^2 - 6y - 3y + 9 = 0$$

$$\Rightarrow 2y(y - 3) - 3(y - 3) = 0$$

$$\Rightarrow y = 3, \frac{3}{2}$$

Clearly, $x \geq y$

67. (1) I. $5x = 16$

$$\Rightarrow x = \frac{16}{5}$$

II. $y^3 \times 14 = 351 + y^3$

$$\Rightarrow 14y^3 - y^3 = 351$$

$$\Rightarrow 13y^3 = 351$$

$$\Rightarrow y^3 = \frac{351}{13} = 27$$

$$\Rightarrow y = 3$$

Clearly, $x > y$

68. (3) I. $3x^2 - 13x + 14 = 0$

$$\Rightarrow 3x^2 - 6x - 7x + 14 = 0$$

$$\Rightarrow 3x(x - 2) - 7(x - 2) = 0$$

$$\Rightarrow x = 2, \frac{7}{3}$$

II. $y^2 - 7y + 12 = 0$

$$\Rightarrow y^2 - 4y - 3y + 12 = 0$$

$$\Rightarrow y(y - 4) - 3(y - 4) = 0$$

$$\Rightarrow y = 4, 3$$

Clearly, $x < y$

69. (5) I. $(441)^{\frac{1}{2}} x^2 - 111 = (15)^2$

$$\Rightarrow 21x^2 = 225 + 111$$

$$\Rightarrow x^2 = \frac{336}{21}$$

$$\Rightarrow x^2 = 16$$

$$\Rightarrow x = +4, -4$$

II. $\sqrt{121} y^2 + 6^3 = 260$

$$\Rightarrow 11y^2 = 260 - 216$$

$$\Rightarrow 11y^2 = 44$$

$$\Rightarrow y^2 = 4$$

$$\Rightarrow y = +2, -2$$

70. (1) I. $5x + 2y = 96$ (i)

$3(7x + 5y) = 489$ (ii)

Equation (i) $\times 15$ - equation (ii) $\times 2$, we get,

$$75x + 30y - 42x - 30x = 1440 - 978$$

$$\Rightarrow 33x = 462$$

$$\Rightarrow x = 14$$

Put the value of x is equation (i),

$$5 \times 14 + 2y = 96$$

$$\Rightarrow 2y = 96 - 70$$

$$\Rightarrow 2y = 26$$

$$\Rightarrow y = 13$$

Clearly, $x > y$

ENGLISH LANGUAGE

(81-85) :

81. (1) Change 'unfortunate' with 'unfortunately'.

82. (5) No error

83. (3) Put 'that' before 'comes'.

84. (3) Change 'himself' with 'him'.

85. (4) Change 'following' with 'followed by'.

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Province	a principal administrative division of certain countries or empires	प्रांत
Bigwigs	an important person, usually in a particular sphere. Also called big wheel	अहम शख्स
Rehearsing	practice (a play, piece of music, or other work) for later public performance	अभ्यास
Reclined	lean or lie back in a relaxed position with the back supported	झुकना
Sustained	continuing for an extended period or without interruption	निरंतर
Retreated	(of an army) withdraw from enemy forces as a result of their superior power or after a defeat	पीछे हटना
Fevered	having or showing the symptoms associated with a dangerously high temperature	उत्तेजित
Explicit	stated clearly and in detail, leaving no room for confusion or doubt.	स्पष्ट
Bidding	the offering of particular prices for something, especially at an auction	बोली लगाना
Repulsing	drive back (an attack or attacking enemy) by force	प्रतिशोध करना
Destruction	the action or process of causing so much damage to something that it no longer exists or cannot be repaired	विनाश
Explosion	a violent and destructive shattering or blowing apart of something, as is caused by a bomb	विस्फोट
Manifest	clear or obvious to the eye or mind	प्रकट
Affluence	the state of having a great deal of money; wealth	समृद्धि
Tatters	irregularly torn pieces of cloth, paper, or other material	फटे कपड़े
Pebbles	a small stone made smooth and round by the action of water or sand	कंकड़
Flabbergasted	thunderstruck	स्तंभित
Denounced	publicly declare to be wrong or evil	आरोप लगा देना

KD
Campus

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2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

SBI CLERK PHASE - I - 135 (ANSWER KEY)

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