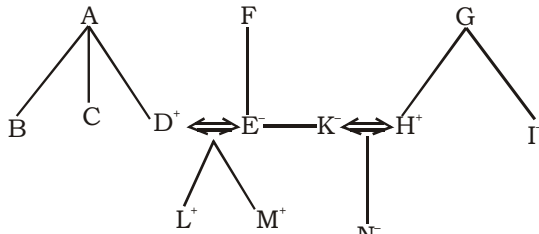


SBI CLERK PHASE - I - 141 (SOLUTION)

REASONING

(1-3) :



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

(4-8) :

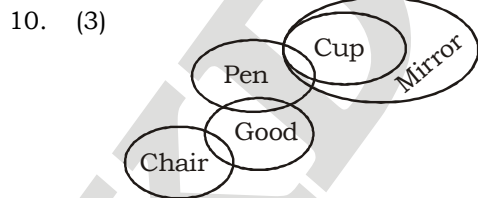
Person	City	Day
A	Delhi	Monday
B	Mumbai	Tuesday
C	Delhi	Friday
D	Kolkata	Saturday
E	Kolkata	Wednesday
F	Mumbai	Thursday
G	Delhi	Sunday

4. (3) 5. (1) 6. (5)
7. (4) 8. (3)

(9-13):



9. (4)
I. True II. False
III. False IV. True
Only I and IV follow

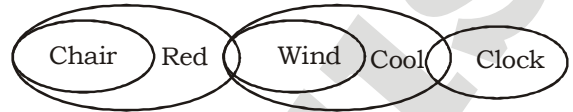


10. (3)
I. False II. True
III. False IV. False
Only II follows



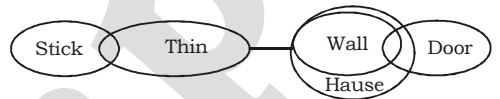
11. (1)
I. False II. False
III. False IV. False
None follows

12. (3)



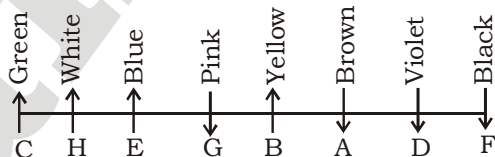
- I. False II. True
III. False IV. False
Only II follows

13. (4)



- I. Doubt II. Doubt
III. False IV. False
Only either I or II follows

(14-18) :



14. (5) 15. (4) 16. (2)
17. (4) 18. (3)

(19-23):

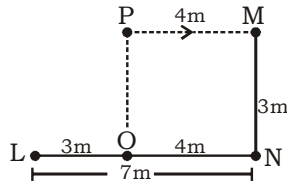
19. (1) $E > G \leq C = L \geq D > F$
I. $F < C \rightarrow$ True
II. $G < D \rightarrow$ False
Only conclusion I is true
20. (2) $C = G < B \leq L > P = Q$
I. $Q < B \rightarrow$ False
II. $Q < L \rightarrow$ True
Only conclusion II is true
21. (4) $Q > L = T \leq M \leq N \leq P$
I. $L = N \rightarrow$ False
II. $T > N \rightarrow$ False
Neither conclusion I nor II is true
22. (1) $A > B \leq C = D \geq F = G > H$
 $H < G = F \leq C = D \leq E$
I. $G \leq E \rightarrow$ True
II. $A > H \rightarrow$ False
Only conclusion I is true
23. (4) $Q \geq N = O > M = P$
I. $N < P \rightarrow$ False
II. $Q \leq M \rightarrow$ False
Neither conclusion I nor II is true

(24-28):

Floor	Persson	Company
7	C	Samsung
6	G	Lenovo
5	E	HP
4	B	Toshiba
3	A	Acer
2	F	HCL
1	D	Dell

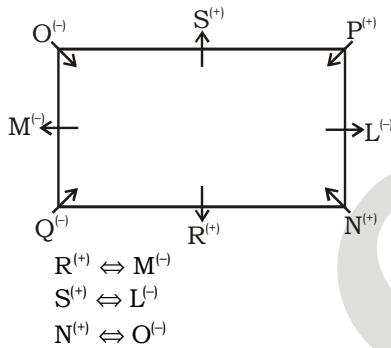
24. (3) 25. (5) 26. (1)
27. (2) 28. (2)

(29-30):



29. (2) 30. (3)

(31-35):



31. (5) 32. (3) 33. (5)
34. (1) 35. (5)

Maths

(36-40) :

36. (1) $(256432 + 314281) \div (2140 + 1456) = ?$
 $\Rightarrow 570713 \div 3596 = ?$
 $\Rightarrow ? = 158.70 \approx 160$
 37. (5) $448.62 - 229.45 \div (14.9\% \text{ of } 118) = ?$
 $\Rightarrow ? = 448.62 - 229.45 \div (17.582)$
 $\Rightarrow ? = 448.62 - 13.05$
 $\Rightarrow ? = 435.57 \approx 436$
 38. (4) $2810.65 - 195 \div 12.2 \times 10 = ?$
 $\Rightarrow ? = 2810.65 - 195 \div 122$
 $\Rightarrow ? = 2810.65 - 1.59$
 $\Rightarrow ? = 2809.06 \approx 2650$
 39. (4) $(28.07 \times 4.97 + 15 \times 6.05) \div (7.032 + \sqrt{256.01} + 13.111) = ?$
 $\Rightarrow ? \approx (140 + 90) \div (7 + 16 + 13)$
 $\Rightarrow ? = 230 \div 36$
 $\Rightarrow ? = 6.38 \approx 7$

40. (3) $[(6 \div 1.8) \times (22 \div 0.4)] \div [(56 \div 7) \times (42 \div 10)] = ?$
 $\Rightarrow ? \approx (3 \times 55) \div (8 \times 4.2)$
 $\Rightarrow ? = 165 \div 33.6$
 $\Rightarrow ? = 4.91 \approx 5$

(41-45) :

41. (2) Income of company Q = $100 \times \frac{120}{100}$
 $= ₹120 \text{ lakh}$
 \therefore Required difference = $\frac{120}{3} \times (4 - 3)$
 $= ₹40 \text{ lakh}$
 42. (4) Total salary of employees in company P
 $= 80 \times \frac{28}{100} \times 1000001$
 $= ₹22,40,000$
 \therefore Required average salary = $\frac{2240000}{1120}$
 $= ₹2,000$
 43. (2) Required ratio = $80 \times \frac{14}{100} : 100 \times \frac{6}{100}$
 $= 28 : 15$
 44. (4) Required difference
 $= \left(100 \times \frac{34}{100} - 80 \times \frac{28}{100} \right) \text{ lakh}$
 $= ₹11.6 \text{ lakh}$
 45. (5) Salary of company P = $\frac{28}{14} \times 28$
 $= ₹56 \text{ lakh}$
 \therefore Salary of company Q = $\frac{56}{1.25} \times 1$
 $= ₹44.8 \text{ lakh}$
 \therefore Expenditure of company Q = $\frac{44.8}{34} \times 100$
 $= ₹131.76 \text{ lakh}$
(46-50):
 46. (4) The number series is as follows:
 $127 + 7^3 = 470$
 $470 + 6^3 = 686$
 $686 + 5^3 = 811$
 $811 + 4^3 = 875$
 $875 + 3^3 = 902 \neq 885$
 47. (1) The number series is as follows:
 $1296 - 644 = 652$
 $652 \div (644 \div 2) = 330 \neq 328$
 $330 - (322 \div 2) = 169$
 $169 - (161 \div 2) = 88.5$
 $88.5 - (80.5 \div 2) = 48.25$
 48. (2) The number series is as follows:
 $2 \times 1^2 + 3 = 5$
 $5 \times 2 + 4 = 14 \neq 15$
 $14 \times 3^2 + 5 = 131$
 $131 \times 4 + 6 = 530$
 $530 \times 5^2 + 7 = 13257$

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

$$508 + 131 = 639 \neq 640$$

$$639 + 137 = 776$$

$$776 + 149 = 925$$

$$925 + 167 = 1092$$

$$1092 + 191 = 1283$$

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

$$11^3 - 5 = 1326 \neq 1325$$

$$9^3 - 15 = 714$$

$$7^3 - 25 = 318$$

$$5^3 - 35 = 90$$

$$3^3 - 45 = -18$$

$$1^3 - 55 = -54$$

51. (5) Required average

$$= \frac{80 \times 12 + 40 \times 15}{120}$$

$$= \frac{960 + 600}{120}$$

$$= \frac{1560}{120} = 13$$

52. (3) Milk = $\frac{150}{3} \times 2 = 100$ litres

$$\text{Water} = \frac{150}{3} \times 1 = 50 \text{ litres}$$

Let x litres water is added

ATQ,

$$\frac{100}{50 + x} = \frac{1}{2}$$

$$\Rightarrow 200 = 50 + x$$

$$\Rightarrow x = 200 - 50 = 150 \text{ litres}$$

53. (2) CI at yearly = $5000 \times \frac{104}{100} - 5000$
= ₹200

$$\text{CI at half yearly} = 5000 \times \frac{102}{100} \times \frac{102}{100} -$$

$$5000 = ₹202$$

$$\therefore \text{Required difference} = 202 - 200 = ₹2$$

54. (3) Required total cast

$$= \frac{672}{14} \times 20 + \frac{432}{12} \times 15 + \frac{504}{18} \times 16$$

$$= 960 + 540 + 448 = ₹1,948$$

55. (3) Amount of liquid P removed = $\frac{32}{8} \times 3$
= 12 litres

$$\text{Amount of liquid Q removed} = \frac{32}{8} \times 5$$

$$= 20 \text{ litres}$$

Let the vessel contains liquid P and Q are $3x$ liter and $5x$ liters respectively.

ATQ,

$$\frac{3x - 12 + 32}{5x - 20} = \frac{5}{3}$$

$$\Rightarrow 9x + 60 = 25x - 100$$

$$\Rightarrow 16x = 160$$

$$\Rightarrow x = 10 \text{ litres}$$

$$\therefore \text{Capacity of vessels} = 3x + 5x$$

$$= 8x = 8 \times 10$$

$$= 80 \text{ litres}$$

(56-60) :

56. (5) Required % = $\left(\frac{30}{10} \times 100\right)\%$
= 300%

57. (3) Total number of males in Medical and Banking profession together

$$= 25000 \times \frac{10}{100} \times \frac{40}{100} + 25000 \times$$

$$\frac{20}{100} \times \frac{60}{100}$$

$$= 1000 + 3000 = 4,000$$

Total number of females in Medical and Banking profession together

$$= 25000 \times \frac{10}{100} \times \frac{60}{100} + 25000 \times \frac{20}{100}$$

$$\times \frac{40}{100}$$

$$= 1500 + 2000 = 3,500$$

$$\therefore \text{Required ratio} = 4000 : 3500 = 8 : 7$$

58. (3) Total number of females in Engineering profession

$$= 25000 \times \frac{25}{100} \times \frac{70}{100} = 4,375$$

Total number of males in Banking

$$\text{Profession} = 25000 \times \frac{20}{100} \times \frac{60}{100}$$

$$= 3,000$$

$$\therefore \text{Required \%} = \left(\frac{4375}{3000} \times 100\right)\%$$

$$= 145.83\% \approx 146\%$$

59. (3) Total number of males in Law and Medical profession together

$$= 25000 \times \frac{15}{100} \times \frac{80}{100} + 25000 \times$$

$$\frac{10}{100} \times \frac{40}{100} = 3000 + 1000 = 4,000$$

Total number of females in Law and Teaching profession together

$$= 25000 \times \frac{15}{100} \times \frac{20}{100} + 25000 \times \frac{30}{100}$$

$$\times \frac{60}{100} = 750 + 4500 = 5,250$$

$$\therefore \text{Required ratio} = 4000 : 5250 = 16 : 21$$

60. (1) Total number of females in Engineering Profession = 25000 ×

$$\frac{25}{100} \times \frac{70}{100} = 4,375$$

Total number of males in Law

$$\text{profession} = 25000 \times \frac{15}{100} \times \frac{50}{100} = 3,000$$

$$\therefore \text{Required more\%} = \left(\frac{4375 - 3000}{3000} \times 100 \right) = 45.83\% \approx 46\%$$

61. (4) Let R = ₹100

$$P = ₹75$$

$$Q = ₹80$$

ATQ, (100 + 75 + 80) unit → 2040

$$\Rightarrow ₹255 \text{ unit} \rightarrow 2040$$

$$\Rightarrow ₹80 \text{ unit} \rightarrow \frac{2040}{255} \times 80 = ₹640$$

62. (5) Required number of ways = 6!
= 6 × 5 × 4 × 3 × 2 × 1 = 720

63. (1) Required fraction = $\frac{5}{18} \times \frac{400}{250} = \frac{4}{9}$

$$\begin{aligned} 64. (4) \text{ Average speed} &= \frac{\text{Total distance}}{\text{Total time}} \\ &= \frac{39 + 25}{\frac{45}{60} + \frac{35}{60}} = \frac{64}{\frac{80}{60}} \times 60 = 48 \text{ km/hr} \end{aligned}$$

65. (3) Required time = $\frac{4 \times 2 \times 10 \times 5}{2 \times 1 \times 20}$
= 10 hours per day

(66-70):

66. (3) I. $x^2 - 24x + 144 = 0$
 $\Rightarrow x^2 - 12x - 12x + 144 = 0$
 $\Rightarrow x(x - 12) - 12(x - 12) = 0$
 $\Rightarrow x = 12, 12$
 II. $y^2 - 26y + 169 = 0$
 $\Rightarrow y^2 - 13y - 13y + 169 = 0$
 $\Rightarrow y(y - 13) - 13(y - 13) = 0$
 $\Rightarrow y = 13, 13$
 Clearly, $x < y$

67. (2) I. $2x^2 + 3x - 20 = 0$
 $\Rightarrow 2x^2 + 8x - 5x - 20 = 0$
 $\Rightarrow 2x(x + 4) - 5(x + 4) = 0$
 $\Rightarrow x = \frac{5}{2}, -4$

II. $2y^2 + 19y + 44 = 0$
 $\Rightarrow 2y^2 + 8y + 11y + 44 = 0$
 $\Rightarrow 2y(y + 4) + 11(y + 4) = 0$
 $\Rightarrow y = -\frac{11}{2}, -4$

Clearly, $x \geq y$

68. (4) I. $6x^2 + 77x + 121 = 0$
 $\Rightarrow 6x^2 + 66x + 11x + 121 = 0$
 $\Rightarrow 6x(x + 11) + 11(x + 11) = 0$
 $\Rightarrow x = -\frac{11}{6}, -11$

II. $y^2 + 9y - 22 = 0$
 $\Rightarrow y^2 + 11y - 2y - 22 = 0$
 $\Rightarrow y(y + 11) - 2(y + 11) = 0$
 $\Rightarrow y = 2, -11$

Clearly, $x \leq y$

69. (1) I. $x^2 - 6x = 7$
 $\Rightarrow x^2 - 6x - 7 = 0$
 $\Rightarrow x^2 - 7x + x - 7 = 0$
 $\Rightarrow x(x - 7) + 1(x - 7) = 0$
 $\Rightarrow x = -1, 7$

II. $2y^2 + 13y + 15 = 0$
 $\Rightarrow 2y^2 + 10y + 3y + 15 = 0$
 $\Rightarrow 2y(y + 5) + 3(y + 5) = 0$

$$\Rightarrow y = -\frac{3}{2}, -5$$

Clearly, $x > y$

70. (2) I. $10x^2 - 7x + 1 = 0$
 $\Rightarrow 10x^2 - 5x - 2x + 1 = 0$
 $\Rightarrow 5x(2x - 1) - 1(2x - 1) = 0$
 $\Rightarrow x = \frac{1}{5}, \frac{1}{2}$

II. $35y^2 - 12y + 1 = 0$
 $\Rightarrow 35y^2 - 5y - 7y + 1 = 0$
 $\Rightarrow 5y(7y - 1) - 1(7y - 1) = 0$

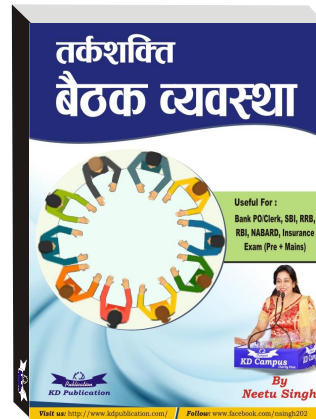
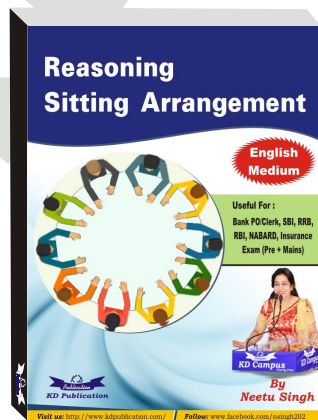
$$\Rightarrow y = \frac{1}{5}, \frac{1}{7}$$

Clearly, $x \geq y$

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Conceive	become pregnant with (a child)	गर्भ धारण
Disguised	give (someone or oneself) a different appearance in order to conceal one's identity.	प्रच्छन्न
Adverse	preventing success or development; harmful; unfavorable	विपरीत
Inducing	succeed in persuading or influencing (someone) to do something	उत्प्रेरण
Diminish	make or become less	घटाना
Prohibit	formally forbid (something) by law, rule, or other authority	निषेध
facilitating	make (an action or process) easy or easier	अभिनंदन करना
Derogative	disparaging, derogatory	अपमानजनक
Augmenting	make (something) greater by adding to it; increase	बढ़ाने
Alleviate	make (suffering, deficiency, or a problem) less severe	कम करना
Plight	a dangerous, difficult, or otherwise unfortunate situation	दुर्दशा
Escalating	increase rapidly	तना हुआ
Astonished	greatly surprised or impressed; amazed	आश्चर्यचकित
Surveys	a general view, examination, or description of someone or something	सर्वेक्षण
Detrimental	tending to cause harm	हानिकारक
Govern	conduct the policy, actions, and affairs of (a state, organization, or people)	शासन करना
Hid	put or keep out of sight; conceal from the view or notice of others	छुपाया
Profuse	(especially of something offered or discharged) exuberantly plentiful; abundant	विपुल

For all Bank PO/ Clerk Exams



KD
Campus

KD Campus

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

SBI CLERK PHASE - I - 141 (ANSWER KEY)

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