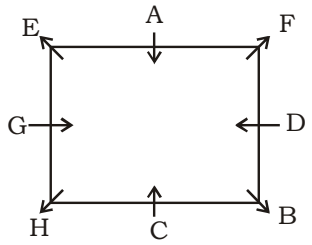
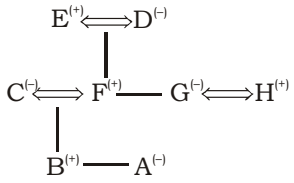
SBI CLERK PHASE - I - 131 (SOLUTION)

REASONING

(1–5) :

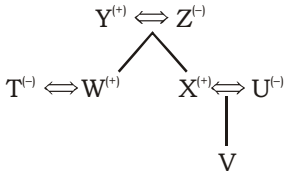


Family Tree



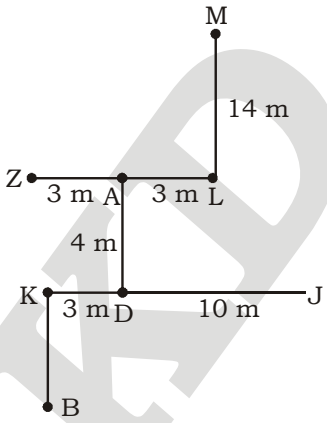
1. (1) 2. (2) 3. (3)
4. (1) 5. (1)

(6-10):



6. (2) 7. (3) 8. (1)
9. (1) 10. (2)

(11-13) :



11. (2) 12. (1) 13. (1)

(14-18) :

14. (1) H > E ≥ B = A ≥ D
I. H > D → True
D ≤ B > C
II. D ≤ C → False
Only conclusion I is true

(15-16) :

15. (4) T < Q > P ≤ W
I. T ≥ W → False
II. Q = W → False
Neither conclusion I nor II is true

16. (5) T < Q ≤ V
I. V > T → True
T < Q ≤ R = S
II. T < S → True
Both conclusions I and II are true

(17-18) :

17. (2) C < B ≤ A ≤ K
I. K ≥ C → False
C < B < J ≤ L
II. L > C → True
Only conclusions II is true

18. (2) L ≥ J > B ≤ A = W
I. W ≥ L → False
K ≥ A ≥ B
II. K ≥ B → True
Only conclusions II is true

(19–23) :

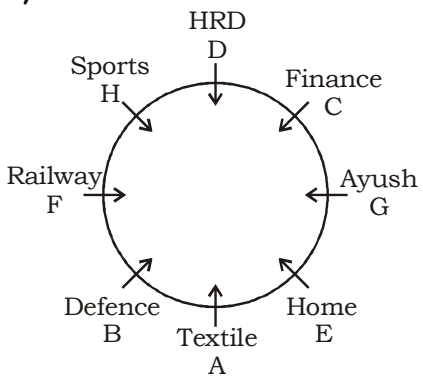
Floor	Position	Soft Drink	Fast Food
7	Q	Pepsi	Sandwich
6	P	Mirinda	Vada pao
5	U	Coke	Dosa
4	S	Frooti	Idli
3	T	Limca	Chow Mein
2	V	Thumsup	Burger
1	R	Sprite	Bread Chat

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

(24–26) :

24. (5) 25. (5) 26. (3)

(27–31) :



27. (1) 28. (3) 29. (3)
30. (5) 31. (5)

(32–35) :

32. (5) Clearly, the birthday of P's mother can be found out from statement II and then P's birthday can be determined using the fact given in statement I. Thus, both the statements are required.

33. (4) From both the statements, we find that maximum (243 × 3) i.e, 729 persons visit the zoo, but the exact number cannot be determined.

34. (3) 'pee' represents 'smiling'
We can find the answers by Either the statement I or II alone.

35. (1) From I, Q > P > M/K > M/K

MATHS

(36-40) :

36. (4) $7999.99 + 72 \times 49.99 = ?$
$\Rightarrow ? \approx 8000 + 72 \times 50$
$\Rightarrow 8000 + 36000 = 11600$

37. (3) $8044.986 + 3250.005 + 149.996 = ?$
$\Rightarrow ? \approx 8045 + 3250 + 150 = 11445$

38. (2) $14.001 \times 26.99 \times 7.998 = ?$
$\Rightarrow ? \approx 14 \times 27 \times 8 = 3024 \approx 3000$

39. (4) $23.999 \times 9.004 \times 16.997 = ?$
$\Rightarrow ? \approx 24 \times 9 \times 17 = 3672 \approx 3700$

40. (3) $\sqrt{\dfrac{34.999 \times 99.999 \div 5.045}{+750.0003 \div 24.999}} = ?$
$= ? \approx \sqrt{35 \times 100 \div 5 + 750 \div 25}$
$= \sqrt{35 \times 20 + 30} = \sqrt{700 + 30}$
$= \sqrt{730} = 27.01 \approx 27$

(41-45) :

41. (3) Total manes obtained by Q in all the subjects together
= 75 + 90 + 82 + 54 + 38 + 60 = 399
$\therefore$ Required % = $\left(\dfrac{399}{600} \times 100\right)\% = 66.5\%$

42. (5) Total marks obtained by P in all the subjects together
= 84 + 66 + 73 + 61 + 24 + 52 = 360
Total marks obtained by U in all the subjects together
= 142 + 84 + 48 + 81 + 42 + 38 = 435
$\therefore$ Required ratio = 360 : 435 = 72 : 87

43. (1) Required average
$= \dfrac{66 + 90 + 48 + 75 + 78 + 84}{6}$
$= \dfrac{441}{6} = 73.5$

44. (2) Total marks obtained by all the students together in Maths
= 84 + 75 + 96 + 128 + 108 + 142
= 633
$\therefore$ Required average = $\dfrac{633}{6} = 105.5$

45. (4) Total marks obtained by T in all the subjects together
= 108 + 78 + 78 + 70 + 39 + 48 = 421
Total marks obtained by P in all the subjects together
= 84 + 66 + 73 + 61 + 24 + 52 = 360
$\therefore$ Required more%
$= \left(\dfrac{421 - 360}{360} \times 100\right)\%$
$= 16.94\% \approx 17\%$

(46-50) :

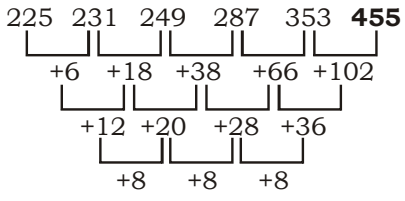
46. (4) The number series is as follows:
400 × 0.6 = 240
240 × 0.6 = 144
144 × 0.6 = 86.4
86 × 0.6 = 51.84
51.84 × 0.6 = 31.104
31.104 × 0.6 = **18.6624**

47. (2) The number series is as follows:
4 × 1.5 = 6
6 × 1.5 = 9
9 × 1.5 = 13.5
13.5 × 1.5 = 20.25
20.25 × 1.5 = 30.375
30.375 × 1.5 = **45.5625**

48. (3) The number series is as follows:
13 × 1 + 1 = 14
14 × 2 + 2 = 30
30 × 3 + 3 = 93
93 × 4 + 4 = 376
376 × 5 + 5 = 1885
1885 × 6 + 6 = **11316**

49. (1) The number series is as follows:
9 × 0.5 = 4.5
4.5 × 1 = 4.5
4.5 × 1.5 = 6.75
6.75 × 2 =13.5
13.5 × 2.5 = 33.75
33.75 × 3 = **101.25**

50. (4)



51. (2) Let the C.P of Laptop = ₹ 100

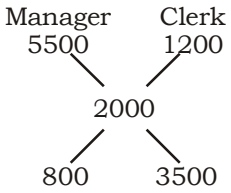
$\therefore$ S.P = $100 \times \frac{120}{100} = ₹\ 120$

$\therefore$ MP = $\frac{120}{90} \times 100 = ₹\ \frac{400}{3}$

$\therefore$ Required% = $\left[\frac{\frac{400}{3}-100}{100}\times 100\right]\%$

$= \frac{100}{3}\% = 33\frac{1}{3}\%$

52. (2)



$\therefore$ Ratio between no. of manager and clerk = 8 : 35

$\therefore$ No. of clerk = $\frac{160}{8}\times 35 = 700$

53. (1) Milk = 54 litres
Water = 6 litres
Let the water mixed with it be x litres
ATQ,

$(60 + x) \times \frac{25}{100} = 6 + x$

$\Rightarrow 15 + \frac{x}{4} = 6 + x$

$\Rightarrow 15 - 6 = x - \frac{x}{4}$

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

$\Rightarrow x = 12$ litres

54. (2) Ratio of profit between Amit, Kumar and Sohan
= (15000 × 12) : (12000 × 4 + 8000 × 8): (16000 × 4 + 10000 × 8)
= 180000 : 112000 : 144000
= 45 : 28 : 36
$\therefore$ Kumar's share in the profit

$= \frac{54500}{109} \times 2 = ₹\ 14{,}000$

55. (4) Average speed = $\frac{36+36}{\frac{36}{15}+\frac{36}{10}}$

$= \frac{72}{2.4+3.6} = \frac{72}{6} = 12$ km/hr

(56-60) :

56. (2) Required decrease%

$= \left(\frac{70-64}{70}\times 100\right)\% = 8\frac{4}{7}\%$

57. (5) Required average

$= \frac{55+48+75+50}{4} = 57$

58. (3) Average production of sugar in India

$= \frac{70+64+45+60+60+73}{6}$

$= \frac{372}{6} = 62$

$\therefore$ Required ratio = 73 : 62

59. (3) Total production of sugar in India
= 70 + 64 + 45 + 60 + 60 + 73 = 372
Total production of sugar in China
= 55 + 48 + 75 + 50 + 64 + 58 = 350
$\therefore$ Required difference
= 372 – 350 = 22

60. (2) Increase in the year

2009 = $\left(\frac{75-48}{48}\times 100\right)\% = 56.25$

2011 = $\left(\frac{64-50}{50}\times 100\right)\% = 28\%$

2012 = $\left(\frac{73-60}{60}\times 100\right)\% = 21.66\%$

61. (2) Let the quantity in P be x litres and that of Q be $3x$ litres.

Milk in vessel P = $x \times \frac{40}{100} = \frac{2x}{5}$ litres

$\therefore$ Water = $\frac{3x}{5}$ litres

Milk in vessel Q = $3x \times \frac{40}{100}$

$= \frac{6x}{5}$ litres

$\therefore$ Water = $\frac{9x}{5}$ litres

ATQ,

$\frac{\frac{2x}{5}+\frac{6x}{5}}{\frac{3x}{5}+\frac{9x}{5}+10} = \frac{4}{11}$

$\Rightarrow \frac{8x}{12x+50} = \frac{4}{11}$

$\Rightarrow 88x = 48x + 200$

$\Rightarrow 40x = 200$

$\Rightarrow x = 5$ litres

62. (1) R = 30% = $\frac{3}{10}$

10	13
10	13
10	13
P = 1000	2197 = A

C. I = 2197 – 1000 = 1197

SI = $\frac{1000 \times 30 \times 3}{100} = 900$

∴ Required more% = $\left(\frac{1197-900}{900} \times 100\right)\%$

= 33%

63. (4) Required probbility

$= \frac{4_{C_2} + 2_{C_2} + 3_{C_2}}{9_{C_2}}$

$= \frac{6+1+3}{36} = \frac{10}{36} = \frac{5}{18}$

64. (3)

65. (2) Relative speed = 57 + 33 = 90 km/hr

∴ Total distance covered in 18 seconds

$= 90 \times \frac{5}{18} \times 18 = 450$ m

Ratio between length of first and second train = 2 :1

∴ Length of first train

$= \frac{450}{3} \times 2 = 300$ m

Now, total distance covered in 1.2 minutes i.e. 72 seconds = $57 \times \frac{5}{18} \times 72$

= 1140 m.

∴ Length of platform

= 1140 – 300 = 840 m.

(66-70) :

66. (5) I. $4x + 7y = 209$

II. $12y - 14y = -38$

From (I) × 2 + (II), we get

$8x + 14y + 12x - 14y = 418 - 38$

$\Rightarrow 20x = 380$

$\Rightarrow x = 19$

Put the value of x in equation (i),

$4 \times 19 + 7y = 209$

$\Rightarrow 7y = 133$

$\Rightarrow y = 19$

Clearly, $x = y$

67. (1) I. $17x^2 + 26x = -9$

$\Rightarrow 17x^2 + 26x + 9 = 0$

$\Rightarrow 17x^2 + 17x + 9x + 9 = 0$

$\Rightarrow 17x(x+1) + 9(x+1) = 0$

$\Rightarrow x = \frac{-9}{17}, -1$

II. $13y^2 = 32y - 12$

$\Rightarrow 13y^2 - 32y + 12 = 0$

$\Rightarrow 13y^2 - 32y + 12 = 0$

$\Rightarrow 13y^2 - 26y - 6y + 12 = 0$

$\Rightarrow 13y(y-2) - 6(y-2) = 0$

$\Rightarrow y = \frac{6}{13}, 2$

Clearly, $x < y$

68. (1) I. $16x^2 + 20x + 6 = 0$

$\Rightarrow 16x^2 + 8x + 12x + 6 = 0$

$\Rightarrow 8x(2x+1) + 6(2x+1) = 0$

$\Rightarrow x = \frac{-6}{8}, \frac{-1}{2}$

II. $10y^2 + 38y + 24 = 0$

$\Rightarrow 5y^2 + 19y + 12 = 0$

$\Rightarrow 5y^2 + 15y + 4y + 12 = 0$

$\Rightarrow 5y(y+3) + 4(y+3) = 0$

$\Rightarrow y = \frac{-4}{5}, -3$

Clearly, $x > y$

69. (4) I. $8x^2 + 6x = 5$

$\Rightarrow 8x^2 + 6x - 5 = 0$

$\Rightarrow 8x^2 - 4x + 10x - 5 = 0$

$\Rightarrow 4x(2x-1) + 5(2x-1) = 0$

$\Rightarrow x = -\frac{5}{4}, \frac{1}{2}$

II. $12y^2 + 22y + 8 = 0$

$\Rightarrow 6y^2 - 11y + 4 = 0$

$\Rightarrow 6y^2 - 3y - 8y + 4 = 0$

$\Rightarrow 6y^2 - 11y + 4 = 0$

$\Rightarrow 3y(2y-1) - 4(2y-1) = 0$

$\Rightarrow y = \frac{4}{3}, \frac{1}{2}$

Clearly, $x \leq y$

70. (2) I. $18x^2 + 18x + 4 = O$

$\Rightarrow 9x^2 + 9x + 2 = 0$

$\Rightarrow 9x^2 + 3x + 6x + 2 = 0$

$\Rightarrow 3x(3x+1) + 2(3x+1) = 0$

$\Rightarrow x = -\frac{2}{3}, -\frac{1}{3}$

II. $12y^2 + 29y + 14 = 0$

$\Rightarrow 12y^2 + 8y + 21y + 14 = 0$

$\Rightarrow 4y(3y+2) + 7(3y+2) = 0$

$\Rightarrow 6y^2 - 11y + 4 = 0 \Rightarrow$

$\Rightarrow y = -\frac{7}{4}, -\frac{2}{3}$

Clearly, $x \geq y$

ENGLISH LANGUAGE

(79-85) :

79. (3) Repalce 'of' with 'from'.
80. (3) Replace 'intend' with 'intends'.
81. (5) 'No error'
82. (4) Replace 'offer' with 'offers'.
83. (1) Replace 'swung' with 'swinging'.
84. (2) Replace 'responding' with 'respond'.
85. (1) Replace 'them' with 'themselves'.

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Automation	the use of largely automatic equipment in a system of manufacturing or other production process	स्वचालन
Decoupling	separate, disengage, or dissociate (something) from something else	किसी अंक को दस गुणा करना
Eloquent	fluent or persuasive in speaking or writing	सुवक्ता
Enthusiasts	a person who is highly interested in a particular activity or subject	उत्साही
Sprouted	(of a plant) put forth shoots	अंकुरित
Conscience	an inner feeling or voice viewed as acting as a guide to the rightness or wrongness of one's behaviour	विवेक
Illustrate	provide (a book, newspaper, etc.) with pictures	उदाहरण देकर स्पस्ट करना
Meek	quiet, gentle, and easily imposed on, submissive	नम्र
Inception	the establishment or starting point of an institution or activity	आरंभ
Disdained	consider to be unworthy of one's consideration	घृणा करना
Accosted	approach and address (someone) boldly or aggressively	संभाषण करना
Stipulation	a condition or requirement that is specified or demanded as part of an agreement	शर्त
Retracted	draw or be drawn back or back in	मुकरना

SBI CLERK PHASE - I - 131 (ANSWER KEY)

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