

SBI CLERK PHASE - I - 129 (SOLUTION)

REASONING

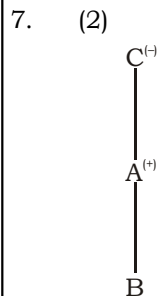
(1-5) :

Person	Country	Language	Company
C	India	Chinese	Dell
A	Japan	Chinese	Samsung
B	Japan	Japanese	Lenovo
D	Russia	Japanese	Intel
E	China	Hindi	Micromax
F	India	English	HP

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

(6 - 10) :

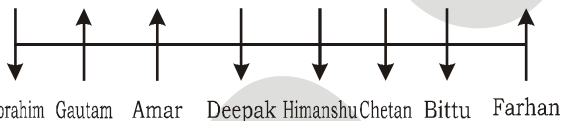
6. (1) C⁽⁻⁾ ——— P⁽⁺⁾ ——— D
 Here C is the sister of D.



Here, A is the son of C.

(8-12):

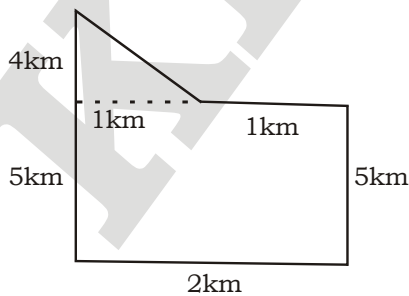
Kolkata Bihar Chennai Mumbai Odisha Delhi Kerala Bangalore



8. (4) 9. (3) 10. (4)
 11. (3) 12. (1)

(13-15) :

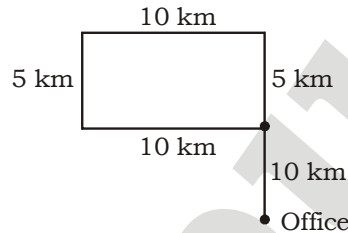
13. (5)



Required distance = $\sqrt{4^2 + 1^2}$

= $\sqrt{17}$ km

14. (4)



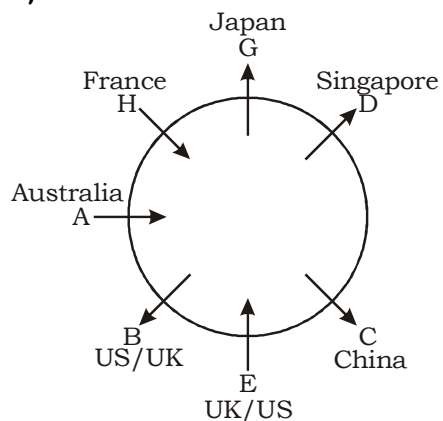
15. (2) Ramesh > Lalan > Gopal (i)
 Ramesh > Suresh > Gopal (ii)
 Lalan > Laukesh > Gopal (iii)
 From (i), (ii) and (iii),
 Ramesh > Lalan > Laukesh > Suresh > Gopal

(16-20) :

Floor	Person	Colour
7	O	Yellow
6	M	Green
5	R	Black
4	L	Blue
3	Q	White
2	P	Brown
1	N	Red

16. (1) 17. (2) 18. (5)
 19. (5) 20. (2)

(21-25) :



21. (5) 22. (1) 23. (3)
 24. (2) 25. (1)

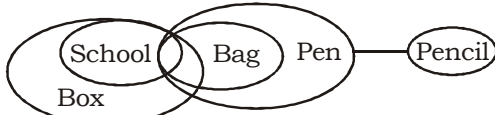
(26-30) :

26. (5)



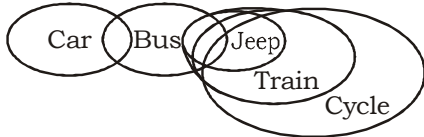
- I. Doubt II. False
 III. False IV. Doubt

27. (5)



- I. True II. True
 III. True IV. True
 V. False
 Only conclusions I, II, III and IV follow

28. (2)



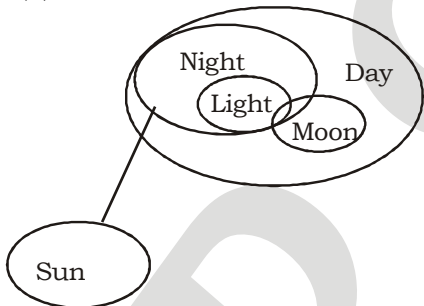
- I. False II. True
 III. False IV. True
 Only conclusions I and III does not follow

29. (3)



- I. True II. True
 III. False IV. True
 V. False
 Only conclusions III and V does not follow

30. (5)



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

(31-35) :

31. (4) **Given Statements**

- $T < P \leq U$ (i)
 $L > U \geq K$ (ii)
 $P \leq R$ (iii)

- Combining all these statements,
 $R \geq P \leq U \geq K$
 I. $K > R \rightarrow$ False
 $L > U \geq P \leq R$
 II. $L > R \rightarrow$ False
 Neither conclusion I nor II is true

32. (3) **Given Statements**

- $H = I \leq R$ (i)
 $M \geq R < S$ (ii)

- Combining all these statements,
 $H = I \leq R \leq M$
 I. $M = I \rightarrow$ Doubt
 II. $M > I \rightarrow$ Doubt
 Either conclusion I or II is true

33. (2) **Given Statements**

- $D > H > N$ (i)
 $S > I < H$ (ii)

- Combining all these statements,
 $S > I \leq H > N$
 I. $N \leq S \rightarrow$ False
 From (i)
 II. $N < D \rightarrow$ True
 Only conclusion II is true

34. (2) **Given Statements**

- $P \leq O < I$ (i)
 $P > Y > W$ (ii)

- Combining all these statements,
 $W < Y < P \leq O < I$
 I. $Y \leq I \rightarrow$ False
 II. $O > W \rightarrow$ True
 Only conclusion II is true

35. (4) **Given Statements**

- $A \leq B > C \leq F$ (i)
 $Z < C \leq D < E$ (ii)

- Combining all these statements,
 $A \leq B > C > Z$
 I. $A > Z \rightarrow$ False
 $F \geq C \leq D < E$
 II. $F < E \rightarrow$ False
 Neither conclusion I nor II is true

MATHS

(36-40) :

36. (5) 18.5% of 320 + 7.4% of 450 = ?

$$\Rightarrow ? = \frac{18.5}{100} \times 320 + \frac{7.4}{100} \times 450$$

$$= 59.2 + 33.3 = 92.5$$

37. (4) $(? \div 25) \div 0.16 = 1935 \div 9$

$$\Rightarrow \frac{?}{25 \times 0.16} = \frac{1935}{9}$$

$$\Rightarrow ? = \frac{1935 \times 25 \times 0.16}{9} = 860$$

38. (1) $96 \times 2117 \div 73 = (? - 198) \times 32$

$$\Rightarrow \frac{96 \times 2117}{73 \times 32} = ? - 198$$

$$\Rightarrow 87 = ? - 198$$

$$\Rightarrow ? = 87 + 198 = 285$$

39. (1) $? \% \text{ of } 5450 - 12\% \text{ of } 750 = 1654$

$$\Rightarrow \frac{?}{100} \times 5450 - \frac{12}{100} \times 750 = 1654$$

$$\Rightarrow ? \times \frac{545}{10} = 1654 + 90$$

$$\Rightarrow ? = \frac{1744 \times 10}{545} = 32$$

40. (2) $(?)^2 \% \text{ of } 108 = (17)^2 + 386$

$$\Rightarrow \frac{?^2}{100} \times 108 = 289 + 386$$

$$\Rightarrow ?^2 = \frac{675 \times 100}{108}$$

$$\Rightarrow ?^2 = 625$$

$$\Rightarrow ? = 25$$

(41-45) :

41. (1) Average no. of candidates qualified from Haryana and UP together

$$= \frac{3250 + 1500}{2} = 2375$$

Average no. of candidates appeared from Haryana and UP together

$$= \frac{3750 + 2500}{2} = 3125$$

$$\therefore \text{Required}\% = \left(\frac{2375}{3125} \times 100 \right)\%$$

$$= 76\%$$

42. (3) Required ratio

$$= (3750 + 3000) : (3250 + 2250)$$

$$= 6750 : 5500 = 27 : 22$$

43. (4) Required ratio = 2250 : 1500

$$= 3 : 2$$

44. (3) Total no. of candidates appeared from all the branches together

$$= 3500 + 2750 + 3750 + 2500 + 3000$$

$$= 15500$$

$$\therefore \text{Required}\% = \left(\frac{2500}{15500} \times 100 \right)\%$$

$$= 16.12\% \approx 16\%$$

45. (1) Average no. of candidates appeared from all the branches together

$$= \frac{15500}{5} = 3100$$

Average no. of candidates qualified from all the branches together

$$= \frac{2250 + 1500 + 3250 + 1500 + 2250}{5}$$

$$= \frac{10750}{5} = 2150$$

\therefore Required difference

$$= 3100 - 2150 = 950$$

(46-50) :

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

$$2 + 2 = 4$$

$$4 + 3 = 7$$

$$7 + 5 = 12$$

$$12 + 7 = 19$$

$$19 + 11 = 30 \neq 29$$

This series is based on the sum of prime numbers.

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

$$3 + 0 = 3$$

$$3 + 3 = 6$$

$$6 + 6 = 12$$

$$12 + 12 = 24$$

$$24 + 24 = 48$$

$$48 + 48 = 96 \neq 95$$

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

$$\sqrt{2} = \sqrt{2} \times 1$$

$$\sqrt{6} = \sqrt{3} \times \sqrt{2}$$

$$2\sqrt{3} = \sqrt{12} = \sqrt{4} \times \sqrt{3}$$

$$2\sqrt{5} = \sqrt{20} = \sqrt{5} \times \sqrt{4}$$

$$2\sqrt{6} = \sqrt{24} = \sqrt{6} \times \sqrt{5} = \sqrt{30} \neq 2\sqrt{6}$$

$$\sqrt{42} = \sqrt{7} \times \sqrt{6}$$

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

$$3 \times 1 + (1)^2 = 4$$

$$4 \times 2 - (2)^2 = 4$$

$$4 \times 3 + (3)^2 = 21 \neq 24$$

$$21 \times 4 - (4)^2 = 68$$

$$68 \times 5 + (5)^2 = 365$$

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

$$10 \times 1.5 + 1.5 = 16.5$$

$$16.5 \times 2 + 2 = 35$$

$$35 \times 2.5 + 2.5 = 90$$

$$90 \times 3 + 3 = 273$$

$$273 \times 3.5 + 3.5 = 959 \neq 961$$

51. (2) Average of five consecutive odd numbers
= 27

∴ Third number = 27

and numbers are = 23, 25, 27, 29, 31

New average

$$= \frac{(23+2)+(25-3)+(27+2)+(29-3)+(31+2)}{5}$$

$$= \frac{25+22+29+26+33}{5} = \frac{135}{5} = 27$$

52. (4) Let the fraction be $\frac{x}{y}$,

$$\text{ATQ, } \frac{x \times \frac{180}{100}}{y \times \frac{75}{100}} = \frac{3}{5}$$

$$\Rightarrow \frac{x}{y} = \frac{3}{5} \times \frac{75}{180} = \frac{1}{4}$$

∴ Required difference

$$= \frac{3}{5} - \frac{1}{4} = \frac{12-5}{20} = \frac{7}{20}$$

53. (5) Length of first and second train

$$= (90 + 72) \times \frac{5}{18} \times 18 = 810 \text{ meter}$$

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

∴ length of first train

$$= \frac{810}{3} \times 1 = 270 \text{ meter}$$

$$\therefore \text{ Required time} = \frac{270+135}{72 \times \frac{5}{18}}$$

$$= \frac{405}{20} = 20.25 \text{ sec.}$$

54. (1) Required no. of ways

$$= 2! \times 5! \times 6! = 1,72,800$$

55. (3) Required no. of days

$$\Rightarrow 10 \times 5 \times 16 \times \frac{6}{5} = 12 \times 8 \times d$$

$$\Rightarrow d = \frac{10 \times 16 \times 6}{12 \times 8} = 10 \text{ days}$$

(56-60) :

56. (4) Average monthly income of D in all the years together

$$= \frac{23000+24500+26100+27000+29300+31200}{6}$$

$$= \frac{161100}{6} = ₹ 26,850$$

∴ Required difference

$$= 44000 - 26850 = ₹ 17,150$$

57. (2) Total monthly salary of A, B and E together in the year 2016

$$= 28200 + 36000 + 33000$$

$$= ₹ 97,200$$

$$\therefore \text{ Required \%} = \left(\frac{31000}{97200} \times 100 \right) \% \\ = 31.89\% \approx 32\%$$

58. (3) Required ratio

$$= (24500 \times 12 + 40200 \times 12) : (31800 \times 12 + 19200 \times 12)$$

$$= (294000 + 482400) : (381600 + 230400)$$

$$= 776400 : 612000$$

$$= 5 : 4$$

59. (3) Monthly salary of B and E together in the year 2013

$$= 31800 + 27900 = ₹ 59,700$$

Monthly salary of D and F together in the year 2015

$$= 29300 + 44000 = ₹ 73,300$$

∴ Required less%

$$= \left(\frac{73300 - 59700}{73300} \times 100 \right) \%$$

$$= 18.55\% \text{ less}$$

$$\approx 19\% \text{ less}$$

60. (2) Amount lent out by F

$$= 44000 \times \frac{95}{100} \times \frac{20}{100}$$

$$= ₹ 8,360$$

$$\therefore \text{ C.I} = 8360 \times \frac{105}{100} \times \frac{105}{100} \times \frac{105}{100} - 8360 \\ = ₹ 1,317.745$$

61. (1) Sum of money

$$= P + Q + R = 12,540 \dots\dots(i)$$

$$\text{Now, P recieved} = \frac{3}{7} (Q + R) \dots\dots(ii)$$

$$Q \text{ recieved} = \frac{2}{9} (P + R) \dots\dots(iii)$$

$$\text{From (ii), } \frac{7P}{3} = Q + R$$

Putting the value of (Q + R) in (i),
we get

$$P + \frac{7}{3}P = 12450$$

$$\Rightarrow 10P = 12450 \times 3$$

$$\Rightarrow P = \frac{12450 \times 3}{10} = ₹ 3,762$$

62. (1) Let the age of man, son and mother be $40x$, $7x$ and $20x$ respectively.

ATQ,

$$40x - 7x - 3 = 3(20x - 7x - 3)$$

$$\Rightarrow 33x - 3 = 39x - 9$$

$$\Rightarrow 6x = 6$$

$$\Rightarrow x = 1$$

So, age of son = $7x = 7$ years

63. (3) Let the total no. of votes be x .
So, $0.9x - 60$ is the no. of valid votes.
winner gets $0.47x$ and looser gets $(0.9x - 60 - 0.47x)$ votes.

So, majority of successful candidate
= winner - looser

$$\Rightarrow 308 = 0.47x - (0.9x - 60 - 0.47x)$$

$$\Rightarrow 308 = 0.47x - 0.9x + 60 + 0.47x$$

$$\Rightarrow 248 = 0.94x - 0.90x$$

$$\Rightarrow 0.04x = 248$$

$$\Rightarrow x = \frac{248}{4} \times 100 = 6200$$

$$\therefore \text{valid votes} = 0.9x - 60$$

$$= 0.9 \times 6200 - 60$$

$$= 5580 - 60 = 5520$$

64. (1) Let the ages of the reserved players be x and y .

ATQ,

Average age of 11 players decreased by 2 months.

$$\text{Now, } (20 + 17) \text{ years} - 22 \text{ months} = x + y$$

$$\Rightarrow 37 \text{ years} - 22 \text{ months} = x + y$$

$$\Rightarrow x + y = 35 \text{ years } 2 \text{ months}$$

$$\Rightarrow \frac{x+y}{2} = 17 \text{ years } 7 \text{ months}$$

65. (1) Probability of getting sum is four.

Favourable events = (1, 3), (3, 1), (2, 2)

$$= \frac{\text{Favourable events}}{\text{Total events}}$$

$$= \frac{3}{36} = \frac{1}{12}$$

(66-70) :

66. (3) I. $x(x + 7) = 30$

$$\Rightarrow x^2 + 7x - 30 = 0$$

$$\Rightarrow x^2 + 10x - 3x - 30 = 0$$

$$\Rightarrow x(x + 10) - 3(x + 10) = 0$$

$$\Rightarrow x = 3, -10$$

II. $y = \left(\frac{100}{9}\right)^{\frac{1}{2}}$

$$\Rightarrow y = \frac{10}{3}$$

Clearly, $x < y$

67. (1) I. $3x^2 - 16x + 21 = 0$

$$\Rightarrow 3x^2 - 9x - 7x + 21 = 0$$

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

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

II. $6y^2 + 25y + 21 = 0$

$$\Rightarrow 6y^2 + 18y + 7y + 21 = 0$$

$$\Rightarrow 6y(y + 3) + 7(y + 3) = 0$$

$$\Rightarrow y = -\frac{7}{6}, -3$$

Clearly, $x > y$

68. (2) I. $2x^5 (x^2) = 128$

$$\Rightarrow 2x^3 = 128$$

$$\Rightarrow x^3 = 64$$

$$\Rightarrow x = 4$$

II. $\frac{1}{3}y^9 = \frac{1}{24}y^{11}$

$$\Rightarrow y^2 = 8$$

$$\Rightarrow y^2 = 8$$

$$\Rightarrow y = 2\sqrt{2}$$

Clearly, $x > y$

69. (1) I. $20x^2 - 108x + 144 = 0$

$$\Rightarrow 5x^2 - 27x + 36 = 0$$

$$\Rightarrow 5x^2 - 15x - 12x + 36 = 0$$

$$\Rightarrow 5x(x - 3) - 12(x - 3) = 0$$

$$\Rightarrow x = \frac{12}{5}, 3$$

II. $25y^2 - 90y + 72 = 0$

$$\Rightarrow 25y^2 - 30y - 60y + 72 = 0$$

$$\Rightarrow 5y(5y - 6) - 12(5y - 6) = 0$$

$$\Rightarrow y = \frac{12}{5}, \frac{6}{5}$$

Clearly, $x \geq y$

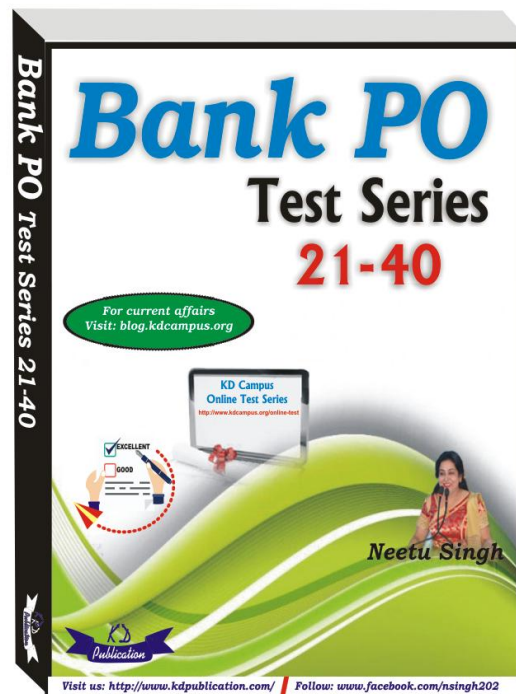
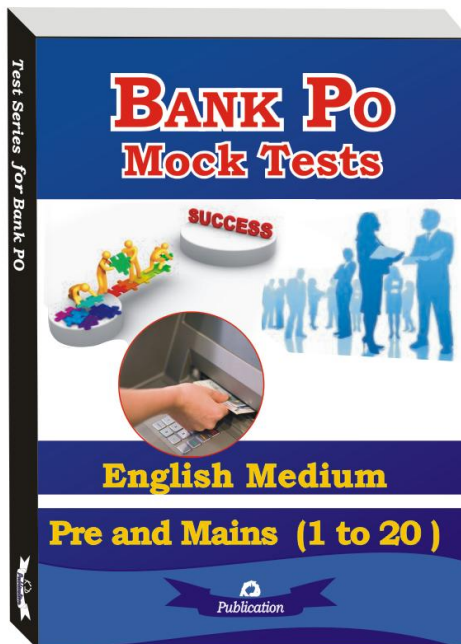
70. (4) I. $2x^2 + 18x + 36 = 0$
 $\Rightarrow x^2 + 9x + 18 = 0$
 $\Rightarrow x^2 + 6x + 3x + 18 = 0$
 $\Rightarrow x(x + 6) + 3(x + 6) = 0$
 $\Rightarrow x = -3, -6$
- II. $y^2 - 3y - 18 = 0$
 $\Rightarrow y^2 - 6y + 3y - 18 = 0$
 $\Rightarrow y(y - 6) + 3(y - 6) = 0$
 $\Rightarrow y = -3, 6$
 Clearly, $x \leq y$

ENGLISH LANGUAGE

(86 - 90) :

86. (4) Instead of trump it should be trump's as sentence is in possessive form.
87. (3) Hardly itself is negative so after it no is not required.
88. (1) Word unique is complete in itself, superlative the most is superfluous here.
89. (2) Sentence is in past form, so word survey should be surveyed.
90. (1) Conjunction not only is for recorded growth not for island, the correct format is the island has not only recorded a growth.....

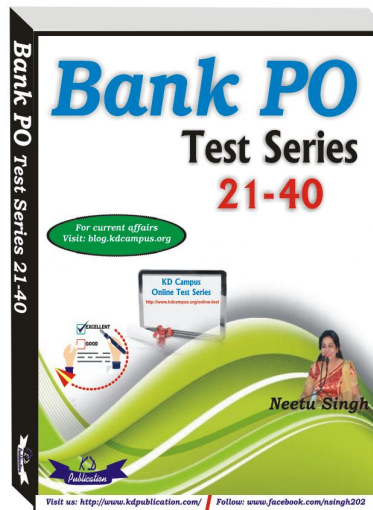
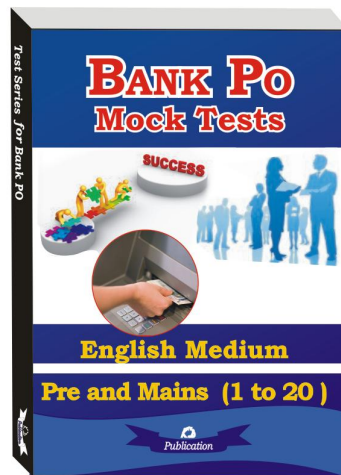
For all Bank PO/ Clerk Exams



VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Plummet	a steep and rapid fall or drop	सीसे का भार
Plunge	an act of jumping or diving into water.	डुबकी, तैरने का तालाब
Breach	an act of breaking or failing to observe a law, agreement, or code of conduct.	उल्लंघन
Volatile	(of a substance) easily evaporated at normal temperatures	परिवर्तनशील
Laurels	a tangible symbol signifying approval or distinction	बहादुरी का पुरस्कार
Kudos	praise and honor received for an achievement	यश
Postulate	a thing suggested or assumed as true as the basis for reasoning, discussion, or belief.	मांगना
Ascent	a climb or walk to the summit of a mountain or hill.	आरोहण
Transient	lasting only for a short time; impermanent.	क्षणिक
Screech	a loud, harsh, piercing cry	फटा आवाज
Littoral	of or relating to a coastal or shore region	नदी के किनारे का
Naval	connected with or belonging to or used in a navy	नौसैनिक
Deliberate	done consciously and intentionally	जानबूझकर

For all Bank PO/ Clerk Exams



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SBI CLERK PHASE - I - 129 (ANSWER KEY)

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

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