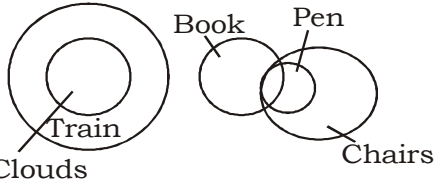


**BANK PO PHASE-I MOCK TEST-1 (SOLUTION)**

(1-5)

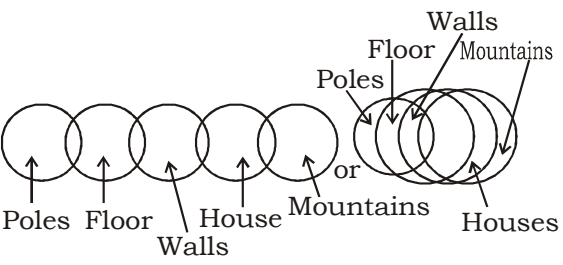
	A	B	C	D	E	F	G
Monday	x	x	x	x	x	x	✓
Tuesday	✓	x	x	x	x	x	x
Wednesday	x	x	✓	x	x	x	x
Thursday	x	x	x	x	x	✓	x
Friday	x	✓	x	x	x	x	x
Saturday	x	x	x	✓	x	x	x
Sunday	x	x	x	x	✓	x	x
Swift	x	x	✓	x	x	x	x
Alto	x	x	x	x	x	x	✓
Figo	x	✓	x	x	x	x	x
Beat	x	x	x	x	✓	x	x
SX4	x	x	x	x	x	✓	x
Estilo	✓	x	x	x	x	x	x
Optra	x	x	x	✓	x	x	x

1. (1) A likes Tuesday
2. (2) Favourite car of B is Figo.
3. (4) E likes Sunday.
4. (3) F likes SX4.
5. (5) None of the given option is correct.
6. (1)



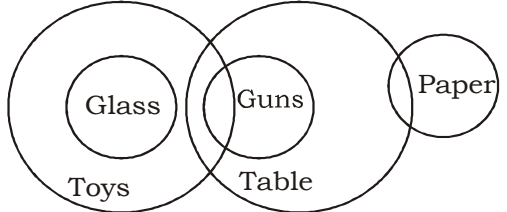
None of the conclusions follow.

7. (5)



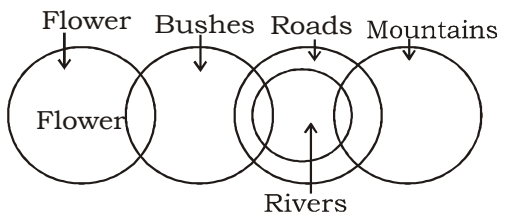
Hence either conclusion (I) or (III) follows.

8. (2)



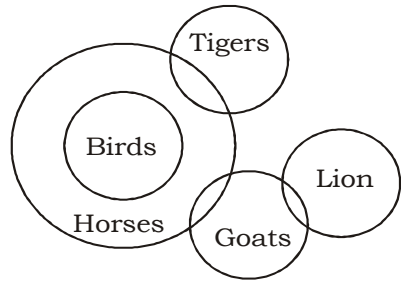
Only conclusion (I) follows.

9. (3)



Conclusion (II) and (III) follow.

10. (5)



None of the given conclusions follow.

(11-15)

- Input:** site grid 19 53 22 call art main 35 66 fill 93
- Step I:** art site grid 19 53 22 call main 35 66 fill 93
- Step II:** art call fill site grid 19 53 22 main 35 66 93
- Step III:** art call fill site grid 19 53 22 main 35 66 93
- Step IV:** art call fill grid site 19 53 22 main 35 66 93
- Step V:** art call fill grid main site 19 53 22 35 66 93
- Step VI:** art call fill grid main site 19 53 25 22 35 66
- Step VII:** art call fill grid main site 93 66 19 53 22 35
- Step VIII:** art call fill grid main site 93 66 53 19 22 35
- Step IX:** art call fill grid main site 93 66 53 35 19 22
- Step X:** art call fill grid main site 93 66 53 35 22 19
- This is the last step.

11. (5)
12. (5)
13. (3)
14. (5) ∴ Ten steps are required to complete the arrangement.
15. (3)

**(16-20)**

Candidate	Qualifications					Exception		Conclusion
	(i) Age (1-7-2008) (Min. 17 yrs)	(ii) Class XII passed (Min. 50%)	(iii)* Marks obtained in physics, chemistry and mathematics in Class XII (Min. 50%)	Passed in entrance examination (Min. 55%)	(v)** Fees (Min. 60000)	(i)* Marks obtained in class XII (Min. 70%)	(ii)** Deposit 60% of annual fees and balance within six month	
Anirban Mandal	17 + ✓	75% + ✓	62% + ✓	62% + ✓	40,000 *	—	?	Data is sufficient
Sudha Ghoshal	16 + ✗	65% + ✓	55% + ✗	75% + ✓	✓	—	—	Rejected
Joseph D'silva	19 + ✓	55% + ✓	62% + ✓	65% + ✓	✓	—	—	Selected
Mohan Awasthi	25 + ✓	56% + ✓	60% + ✓	65% + ✓	40,000 *	—	✓	Case should be sent to Vice-President
Arvind Gogoi	19 + ✓	75% + ✓	58% + ✗	60% + ✓	✓	✓	—	Case should be sent to Principal

16. (1) Anirban Mandal meets all the conditions except (v) and he can pay 60% of the annual fees but in what manner he will pay the remaining fees is not known. Hence given data is inadequate to take any decision.
17. (4) Sudha Ghosal is under-aged, hence she cannot be admitted.
18. (2) Joseph D'silva meets all the given conditions, hence will be selected.
19. (5) Mohan Awasthi meets all the conditions except (v) and he can pay 60% of the annual fees at the time of admission and the balance in two months. Hence according to exception to condition (v), his case will be sent to Vice Principal of the college.
20. (5) Arvind Gogoi does not meet condition (iii) but he has scored 75% marks in the final examination of class (xii). His case will be sent to Principal of the college.
21. (1) **Statements:**  
 $B > C = D \geq X$ ;  $E \leq X$ ,  $Z \geq D$   
 Series formed with the help of statements.  
 $B > C = D \geq X \geq E$  and  $Z \geq D$   
 On the basis of the above series first conclusion  $B > E$  is correct but the relation between  $Z$  and  $B$  is not clear from the statements.  
 Hence only conclusion (I) is true.
22. (1)  $E > F \geq G < H \leq I < J$   
 As per the given statement  $E > G$  but  $E \neq G$  hence conclusion (I)  $G < E$  is true. Conclusion (II)

- $J \geq F$  is not true because there are opposite signs ( $\geq, \leq$ ) between  $F$  and  $J$ , hence no relation is valid between  $F$  and  $J$ . Hence conclusion (I) is true.
23. (4)  $Y < A \geq B = C < Z$   
 From the given statement we can write  $A = B = C$  and  $A > Y$   
 $\Rightarrow C > Y$   
 Hence, conclusion I is not true.  
 Again  $C < Z$  and  $Y < A$   
 $\Rightarrow$  Conclusion II that  $Z > Y$  is not clear from the given statement.  
 $\Rightarrow$  Conclusion II is also not true.
24. (5)  $K \leq L < M > N \geq O$  and  $T > M \leq P$   
 $\therefore K \leq L < M$  and  $T > M$   
 $\therefore K \leq L < M < T \Rightarrow K < T$  or  $T > K$   
 Thus, conclusion (I) is true.  
 Also,  $M > N \geq O$  and  $M \leq P$   
 $\therefore P \geq M > N \geq O$   
 $\Rightarrow P > O$ .  
 Thus, conclusion (II) is true.
25. (5) **Statement :**  
 $P > T > Q < R < S$ ;  $A < Q > W$   
 Following four inequalities are obtained from a combination of both the statements  
 (I)  $P > T > Q > W$   
 (II)  $P > T > Q > A$   
 (III)  $A < Q < R < S$   
 (IV)  $W < Q < R < S$   
 It is clear from the statement (II) that conclusion (I)  $A < P$  correct but no relationship can be established between  $P$  and  $R$ . Hence only conclusion (I) is true.

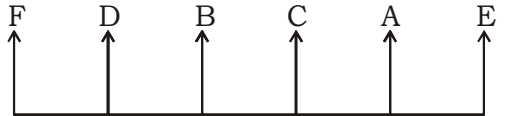


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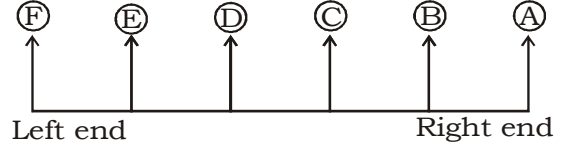
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26. (1) Only conclusion I follows the statement since the statement says about the change.
27. (2) Since the statement of Director of institute K.D. Campus stresses on implementing the training system, that training must be exemplary (meaning, it can be followed). Thus, conclusion II can be drawn. Whether K.D. Campus is a major institute or not is not mentioned in the statement.
28. (1) According to the statement, because of not getting the permission from the Governor, C.B.I. could not file indictment in the court against the Chief Minister. It is very clear from this that to file indictment in the court against the Chief Minister. Whereas he will give permission in the coming days or not is clear from the statement. Hence, only conclusion I is rational.
29. (5) According to the statement, in the political resolution adopted in the meeting of the National Council of the party, stress has been given on making corruption the primary issue and march protest from block to state and national level. It is very clear from this that corruption has pervaded at national level and only by running a nation-wide movement it can be put to an end. Hence, both conclusion I and II are rational.
30. (2) According to the statement, determination of sex of the foetus has been declared illegal from 1st January 2008, i.e. from 1st January 2008 if any woman gets the sex of the foetus determined then it will be a federal offence. Whereas it was legal or illegal before it, is nowhere mentioned. Hence only conclusion II is rational.

**(31-35): Take statement (3) as C is sitting second to the left of E.**



31. (3) If everyone is seated from right to left alphabetically, then:



Hence, position of F and C will remain unchanged.

32. (2) E is sitting at the right end of the row.
33. (1) B is third to the left with respect to E.
34. (4) D, B are different from others.
35. (3) There are two members between C and F.

$$\begin{aligned}
 36.(2) \quad ? &= (28 - 10\sqrt{3})^{\frac{1}{2}} + (7 + 4\sqrt{3})^{\frac{1}{2}} \\
 &= (25 + 3 - 2 \times 5\sqrt{3})^{\frac{1}{2}} + (2^2 + (\sqrt{3})^2 + 2 \times 2\sqrt{3})^{\frac{1}{2}} \\
 &= (5^2 + (\sqrt{3})^2 - 2 \times 5\sqrt{3})^{\frac{1}{2}} + (2^2 + (\sqrt{3})^2 + 2 \times 2\sqrt{3})^{\frac{1}{2}} \\
 &\quad [\because a^2 + b^2 - 2ab = (a - b)^2] \\
 &\quad [\because a^2 + b^2 + 2ab = (a + b)^2] \\
 &= [(5 - \sqrt{3})^2]^{\frac{1}{2}} + [(2 + \sqrt{3})^2]^{\frac{1}{2}} \\
 &= 5 - \sqrt{3} + 2 + \sqrt{3} = 7
 \end{aligned}$$

$$\begin{aligned}
 37. (3) \quad ? &= \frac{(0.99)^3 + (0.98)^3}{0.99 \times 0.99 - 0.99 \times 0.98 + 0.98 \times 0.98} \\
 &= \frac{(0.99 + 0.98)[(0.99)^2 - 0.99 \times 0.98 + (0.98)^2]}{0.99 \times 0.99 - 0.99 \times 0.98 + 0.98 \times 0.98} \\
 &= 0.99 + 0.98 \\
 &= 1.97
 \end{aligned}$$

$$\begin{aligned}
 38. (1) \quad \left(\frac{64}{125}\right)^2 \times \left(\frac{4}{5}\right)^4 \times \left(\frac{16}{25}\right)^{2 \times ? + 1} &= \left(\frac{256}{625}\right)^{3 \times ?} \\
 \text{or, } \left(\frac{4}{5}\right)^{3 \times 2} \times \left(\frac{4}{5}\right)^4 \times \left(\frac{4}{5}\right)^{4 \times ? + 2} &= \left(\frac{4}{5}\right)^{4 \times (3 \times ?)} \\
 \text{or, } \left(\frac{4}{5}\right)^6 \times \left(\frac{4}{5}\right)^4 \times \left(\frac{4}{5}\right)^2 \times \left(\frac{4}{5}\right)^{4 \times ?} &= \left(\frac{4}{5}\right)^{12 \times ?} \\
 \text{or, } \left(\frac{4}{5}\right)^{6+4+2} &= \left(\frac{4}{5}\right)^{12 \times ? - 4 \times ?} \\
 \text{or, } \left(\frac{4}{5}\right)^{12} &= \left(\frac{4}{5}\right)^{8 \times ?} \\
 \text{or, } 12 &= 8 \times ? \\
 \text{or, } ? &= \frac{12}{8} = \frac{3}{2}
 \end{aligned}$$

$$\begin{aligned}
 39. (5) \quad ? &= 189 \frac{42}{47} + 289 \frac{43}{47} + 389 \frac{44}{47} - 219 \frac{37}{47} - 125 \frac{13}{47} \\
 &= \left(189 + \frac{42}{47}\right) + \left(289 + \frac{43}{47}\right) + \left(389 + \frac{44}{47}\right) - \\
 &\quad \left(219 + \frac{37}{47}\right) - \left(125 + \frac{13}{47}\right) \\
 &= (189 + 289 + 389 - 219 - 125) \\
 &\quad + \left(\frac{42}{47} + \frac{43}{47} + \frac{44}{47} - \frac{37}{47} - \frac{13}{47}\right) \\
 &= 523 + \frac{42 + 43 + 44 - 37 - 13}{47}
 \end{aligned}$$



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$$= 523 + \frac{79}{47} = (523 + 1) + \frac{32}{47} = 524 \frac{32}{47}$$

40. (4)  $\sqrt{9409} + \sqrt{9604} + \sqrt{9801} - \sqrt{1369} - \sqrt{1156} - \sqrt{3721}$   
 $= 97 + 98 + 99 - 37 - 34 - 61$   
 $= 162$

41. (3) The series is  
 $1 + 2^2 + 3^3 = 32,$   
 $2 + 3^2 + 4^3 = 75,$   
 $3 + 4^2 + 5^3 = 144,$   
 $4 + 5^2 + 6^3 = 245,$   
 $6 + 7^2 + 8^3 = 567,$   
 $7 + 8^2 + 9^3 = 800,$   
 $8 + 9^2 + 10^3 = 1089.$   
Hence, there should be 245 in place of 244.

42. (5) The series is  
 $\frac{1 \times 3 \times 5}{2 \times 4}, \frac{3 \times 5 \times 7}{4 \times 6}, \frac{5 \times 7 \times 9}{6 \times 8}, \frac{7 \times 9 \times 11}{8 \times 10},$   
 $\frac{9 \times 11 \times 13}{10 \times 12}, \frac{11 \times 13 \times 15}{12 \times 14}, \frac{13 \times 15 \times 17}{14 \times 16}$   
 $= \frac{15}{8}, \frac{35}{8}, \frac{105}{16}, \frac{693}{80}, \frac{429}{40}, \frac{715}{56}, \frac{3315}{224}$

Hence, there should be  $\frac{3315}{224}$  in place of  $\frac{1615}{96}$

43. (4) The series is  
 $12, 13, 13 + 12 = 25,$   
 $25 + 3 = 28,$   
 $38 + 25 = 63,$   
 $63 + 38 = 101,$   
 $101 + 63 = 164,$   
 $164 + 101 = 265$   
Hence there should be 101 in place of 104.

44. (4) The series is  
 $66^3 = 287496,$   
 $65^3 = 274625,$   
 $64^3 = 262144,$   
 $63^3 = 250047,$   
 $62^3 = 238328,$   
 $61^3 = 226981,$   
 $60^3 = 216000$   
There should be 250047 in place of 246078.

45. (4) The series is  
 $42 \times 1.5 = 63,$   
 $63 \times 1.5 = 94.5,$   
 $94.5 \times 1.5 = 141.75,$

$$141.75 \times 1.5 = 212.625,$$
$$212.625 \times 1.5 = 318.9375,$$
$$318.9375 \times 1.5 = 478.40625$$

Hence, there should be 212.625 in place of 212.92.

46. (1) **I.**  $5x^2 - 18x + 9 = 0$   
 $\Rightarrow 5x^2 - 15x - 3x + 9 = 0$   
 $\Rightarrow 5x(x - 3) - 3(x - 3) = 0$   
 $\Rightarrow (x - 3)(5x - 3) = 0$

$\therefore x = 3$  or  $\frac{3}{5}$

**II.**  $20y^2 - 13y + 2 = 0$   
 $\Rightarrow 20y^2 - 8y - 5y + 2 = 0$   
 $\Rightarrow 4y(5y - 2) - 1(5y - 2) = 0$   
 $\Rightarrow (4y - 1)(5y - 2) = 0$

$\therefore y = \frac{1}{4}$  or  $\frac{2}{5}$

Clearly,  $x > y$

47. (2) **I.**  $x^3 = 878 + 453 = 1331$

$\therefore x = \sqrt[3]{1331} = 11$

**II.**  $y^2 = 82 + 39 = 121$

$\therefore y = \sqrt{121} \pm 11$   
 $= \pm 11$

48. (5) **I.**  $\frac{3}{\sqrt{x}} + \frac{4}{\sqrt{x}} = \sqrt{x}$   
 $\Rightarrow 3 + 4 = x \Rightarrow x = 7$

**II.**  $y^2 - \frac{(7)^{\frac{7}{2}}}{\sqrt{y}} = 0$

$\Rightarrow y^{\frac{3}{2}} - (7)^{\frac{7}{2}} = 0$

$\Rightarrow y^{\frac{7}{2}} = 7^{\frac{7}{2}} \Rightarrow y = 7$

49. (5) **I.**  $9x - 4x = 54.55 + 15.45$   
 $\Rightarrow 5x = 70 \Rightarrow x = 14$

**II.**  $\sqrt{y + 155} = 7 + 16 = 13$   
 $\Rightarrow y + 155 = 169$   
 $\Rightarrow y = 169 - 155 = 14$

50. (3) **I.**  $x^2 + 11x + 30 = 0$   
 $\Rightarrow x^2 + 6x + 5x + 30 = 0$   
 $\Rightarrow x(x + 6) + 5(x + 6) = 0$   
 $\Rightarrow (x + 5)(x + 6) = 0$   
 $\Rightarrow x = -5$  or  $-6$

**II.**  $y^2 + 7y + 12 = 0$   
 $\Rightarrow y^2 + 4y + 3y + 12 = 0$   
 $\Rightarrow y(y + 4) + 3(y + 4) = 0$   
 $\therefore y = -3$  or  $-4$

Clearly,  $x < y$

51. (3) Third number  
 $= 57.8 \times 5 - (77.5 \times 2 + 46 \times 2)$   
 $= 289 - 155 - 92$   
 $= 42$

$$52. (3) SI = \frac{30,000 \times 3 \times 5}{100} = 4500$$

$$\therefore \text{Required percent} = \frac{4500}{22500} \times 100 = 20\%$$

53. (1) Let the original fraction be  $\frac{x}{y}$ .

$$\frac{200\%x}{300\%y} = \frac{4}{21}$$

or,  $\frac{x}{y} = \frac{4 \times 3}{21 \times 2} = \frac{2}{7}$

54. (5) Required number of arrangements  
 $= {}^6P_6$   
 $= \underline{6} = 6 \times 5 \times 4 \times 3 \times 2 \times 1$   
 $= 720$

55. (2) Required ratio  
 $= (100 - 52) : 52$   
 $= 48 : 52$   
 $= 12 : 13$

56. (1)  $53000 \times \frac{104}{100} \times \frac{104}{100} = 57324.8$   
 CI =  $57324.8 - 53000$   
 $= ₹ 4324.8$

57. (4)

58. (5)  $t_1 = \frac{300}{15} = 20$  minutes

$$t_2 = \frac{300}{21} \approx 14 \text{ minutes}$$

Difference =  $20 - 14 = 6$  minutes

59. (3) Speed of bus  
 $= 8 \times \frac{186}{3} \text{ km/hr}$   
 $= 496 \text{ km/hr}$   
 $\therefore$  required distance  
 $= 496 \times 10$   
 $= 4960 \text{ km}$

60. (4)  $\frac{x^{1.2}}{98} = \frac{28}{x^{1.8}}$   
 or,  $x^{1.2} \times x^{1.8} = 28 \times 98$   
 or,  $x^{1.2+1.8} = 2744$   
 or,  $x^3 = 2744$   
 $x = \sqrt[3]{2744} = 14$

61. (2) Required ratio =  $\frac{350}{875} = 2 : 5$

62. (4)  $42\%$  of 8000 –  $31\%$  of 3500  
 $= 3360 - 4085 = 2275$

63. (3) Required ratio

$$= \left( \frac{18 \times 8000}{100} - \frac{13 \times 3500}{100} \right)$$

$$: \left( \frac{14 \times 8000}{100} - \frac{13 \times 3500}{100} \right)$$

$$= (1440 - 455) : (1120 - 455)$$

$$= 985 : 665 = 197 : 133$$

64. (1) Required ratio

$$= \left( \frac{10 \times 3500}{100} \right) : \left( \frac{13 \times 8000}{100} - \frac{10 \times 3500}{100} \right)$$

$$= 350 : (1040 - 350)$$

$$= 350 : 690 = 35 : 69$$

65. (5) Required per cent

$$\frac{13 \times 3500}{100} \times 100$$

$$= \frac{45500}{985} \%$$

$$= \frac{45500}{985} \%$$

$$= 46.19 \approx 46\% \text{ (Approx.)}$$

66. (2) Required no. of males working at level III =  $375 - 147 = 228$

67. (5) Required percentage

$$= \frac{163}{117} \times 100$$

$$= 139.316\%$$

$$= 139.32\% \text{ (approx.)}$$

68. (4) Female at level V

$$= \frac{60 \times 170}{100} = 102$$

69. (1) Required percentage

$$= \frac{136 \times 100}{1500}$$

$$= 9.06 \approx 9 \text{ (approx.)}$$

70. (3) Total no. of female working at level II and IV together

$$= 102 + 117 = 219$$

**English**

71. (2); Change 'are believing' into 'believe'. 'Believe' does not takeing' form.

72. (4); Change 'regularly' into 'regular'. We need an adjective 'regular' to qualify a noun 'intervals'.

73. (4); Change 'felt pride' into 'felt proud'.

74. (4); Change 'person' into 'personal'. 'Dealings' being a noun will take adjective 'personal'.

75. (3); change 'any' into 'some'. Positive sentence take 'some' while negative and interrogative sentences take 'any'.



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**BANK PO PHASE -I MOCK TEST - 1 (ANSWER KEY)**

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

**Note:- If you face any problem regarding result or marks scored, please contact 9313111777**

**Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003**