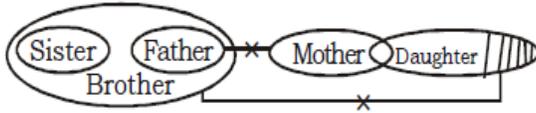
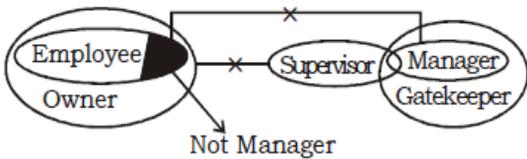


## SBI PO (PRE MOCK-2) SOLUTION



1.(d)2.(d)3.(e)  
(4-5)



4. (b)5. (b) 6. (e) 7. (a) 8. (b) 9. (d)10. (c)  
11.(c) 12. (a)

**Solutions (13-17):** In the first step one word is rearranged and in the second step one number is rearranged. These two steps are repeated alternately until all the words are arranged alphabetically in the reverse order and all the numbers are arranged in descending order.

13. (4)

**Input :** glass full 15 37 water now 85 67

**Step I :** water glass full 15 37 now 85 67

**Step II :** water 85 glass full 15 37 now 67

**Step III :** water 85 now glass full 15 37 67

**Step IV:** water 85 now 67 glass full 15 37

**Step V :** water 85 now 67 glass 37 full 15

Step V is the last step.

14. (4)

**Step II :** ultra 73 12 16 mail sort 39 kite

**Step III :** ultra 73 sort 12 16 mail 39 kite

**Step IV :** ultra 73 sort 39 12 16 mail kite

**Step V :** ultra 73 sort 39 mail 12 16 kite

**Step VI :** ultra 73 sort 39 mail 16 12 kite

**Step VII :** ultra 73 sort 39 mail 16 kite 12

15. (4) From the given step, Input cannot be determined.

16. (1)

**Step II :** tube 83 49 34 garden flower rat 56

**Step III :** tube 83 rat 49 34 garden flower 56

**Step IV :** tube 83 rat 56 49 34 garden flower

**Step V :** tube 83 rat 56 garden 49 34 flower

**Step VI :** tube 83 rat 56 garden 49 flower 34

17. (1)

**Input :** hunt for 94 37 good 29 48 book

**Step I :** hunt 94 for 37 good 29 48 book

**Step II :** hunt 94 good for 37 29 48 book

**Step III :** hunt 94 good 48 for 37 29 book

**Step IV :** hunt 94 good 48 for 37 book 29

**Solutions (18-22) :**

@ - > \$ - < % - > # - < © - =

18. (4)

**Statement :**

$A \geq B < C \geq D$

**Conclusions :**

I.  $D > A$  II.  $C > A$

19. (2)

**Statement :**

$M \leq N \geq P > Q$

**Conclusions :**

I.  $P = M$  II.  $Q < N$

20. (4):

**Statement :**

$E > F < G \geq H$

**Conclusions :**

I.  $H < F$  II.  $E > G$

21. (3)

**Statement :**

$J = K \leq L > M$

**Conclusions :**

I.  $L = J$  II.  $L > J$

22. (1)

**Statement :**

$W < X > Y = Z$

**Conclusions :**

I.  $Z < X$  II.  $Y < W$

**(23-27) :**

Date	Day	Exam	Time Duration
12 <sup>th</sup> April	Wednesday	History	65 mins
13 <sup>th</sup> April	Thursday	Maths	55 mins
14 <sup>th</sup> april	Friday	English	95 mins
16 <sup>th</sup> april	Saturday	Hindi	105 mins
17 <sup>th</sup> April	Sunday	Off	Off
18 <sup>th</sup> April	Monday	Economics	75 mins

23. (5) 24. (2) 25. (4)

26. (1) 27. (4)

**(28-32) :**

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

31. (4) 32. (5)

**(33-35) :**

33. (3) Condition of the architectural structure can be improved by way of adequate finance, hence action III, that grant

should be given to improve the condition of the structure, is the right course of action.

34. (4) In the statement, celebration of teacher's day in today's materialistic world is in question which means that the role and responsibilities of teachers should be seen in today's perspective. Hence, action III is the right course of action.

35. (2) The statement speaks of the failure of housing and urban development policies of the government. Hence, the policies in regard to urban housing should be reviewed.

Maths

36. (1) 64% of 950

$$? = 475 + 608 - 900 = 1083 - 900 = 183$$

37. (2)

$$38. (3) ? = 534.596 + 61.472 - 496.708 - 27.271$$

$$? = 596.068 - 523.979 = 72.089$$

$$39. (5) ? = 16 \times 12 - 672 \div 21 + 211$$

$$\text{or } ? = 192 - 32 + 211$$

$$\text{or } ? = 160 + 211 = 371$$

$$40. (4) (\sqrt{5} - 2)^2 = ? - \sqrt{80}$$

41. (2) The given series is

$$+(13 \times 1), +(13 \times 2) + (13 \times 4), +(13 \times 8), +(13 \times 16)$$

42. (2) The given series is

$$+(-1)^3, +(2)^2, +(-3)^3, +(4)^2, +(-5)^3$$

43. (5) The given series is

$$+(11 \times 1), +(11 \times 3), +(11 \times 5)^2, +(11 \times 7), +(11 \times 9) \text{ so next no. is } 302.$$

44. (3) The given series is

$$-(9 \times 9), -(9 \times 8), -(9 \times 7), -(9 \times 6), -(9 \times 5)$$

45. (3) The given series is

$$+(14)^2, +(13)^2, (12)^2, +(11)^2 + (10)2$$

46. (4) Approximate value can be given as

$$9230 - 5020 + 1500 = 10730 - 5020 = 5710$$

$$\gg 5700$$

47. (4) Approximate value can be given as

$$(1002 \div 92 \gg 20) \times 99 - 1300$$

$$= 1980 - 1300 = 680 \gg 700$$

48. (4) Approximate value can be given as

$$30\% \text{ of } 260 + 60\% \text{ of } 510 - 103$$

$$= 78 + 306 - 103 = 384 - 103 = 281 \gg 280$$

49. (1) Approximate value can be given as

$$(22)^2 (25)^2 + (13)^2 = 484 + 169 - 625$$

$$= 653 - 625 = 28 \gg 25$$

50. (5) Approximate value can be given as

$$\sqrt{2498} \gg \sqrt{2500} = 50$$

$$\sqrt{626} \gg \sqrt{625} = 25 \text{ b } \sqrt{99} \gg \sqrt{100} = 10$$

$$? = 50 \times 25 \div 10 = 50 \times \frac{5}{2} = 125$$

$$51. (4) \text{ I. } x^2 - 10x + 21 = 0$$

$$\text{or } (x - 3)(x - 7) = 0$$

$$x = 3, 7$$

$$\text{II. } y^2 - 16y + 63 = 0$$

$$\text{or } (y - 9)(y - 7) = 0$$

$$\square y = 9, 7$$

$$\square x < y$$

$$52. (4) \text{ I. } x^2 - (16)^2 = (23)^2 - 56$$

$$\square x = 729 = + 27$$

$$\text{II. } y^{1/3} - 55 + 376 = (18)^2$$

$$\square y = (3)^3 = 27$$

$$\square y > x$$

$$53. (3) \text{ I. } \frac{12}{\sqrt{x}} + \frac{8}{\sqrt{x}} = \sqrt{x}$$

$$20 = x$$

$$\text{II. } y - \frac{(18)^{9/2}}{\sqrt{y}} = 0$$

$$\square y = 83$$

$$\square x < y$$

$$54. (1) \text{ I. } \sqrt{36x} + \sqrt{64} = 0$$

$$\text{or } x = -\frac{4}{3}$$

$$\text{II. } \sqrt{81y} + (4)^2 = 0$$

$$\text{or } y = -$$

$$16$$

$$9$$

$$\square x > y$$

$$55. (3) \text{ I. } \frac{25}{\sqrt{x}} + \frac{9}{\sqrt{x}} = 17\sqrt{x}$$

$$\text{or } 34 = 17x$$

$$\square x = 2$$

$$\text{II. } \frac{\sqrt{y}}{3} + \frac{5\sqrt{y}}{6} = \frac{3}{\sqrt{y}}$$

$$\square y = \frac{3 \cdot 18}{21} = \frac{18}{7}$$

$$\square x < y$$

$$56. (5) \text{ Side of the square} = 1,024 \text{ cm}^2 = 32 \text{ cm}$$

$$\text{Length of rectangle} = 32 \times 2 \text{ cm} = 64 \text{ cm}$$

$$\text{Breadth of rectangle} = 32 - 12 = 20 \text{ cm}$$

$$\text{Required ratio} = 64 : 20 = 16 : 5$$

$$57. (1) \text{ Sachin's score} = 442 - 76 - (76 - 12) - 102 = 200$$

$$58. (1) \text{ Let the length of Train B be } 2x \text{ and that of Train A be } x.$$

$$\text{Speed of Train A} = \frac{x}{20}$$

$$\text{Speed of Train B} = \frac{2x}{60} = \frac{x}{30}$$

$$\text{Ratio} = \frac{\text{speed}_A}{\text{Speed}_B} = \frac{x.30}{20.x} = \frac{3}{2} = 3:2$$

$$59. (3) \text{ Cost of 1 kg of mangoes} = \frac{456}{19} \text{ Rs.24}$$

$$\text{Cost of 1 kg of apples} = 2 \times 48 = \text{Rs.96}$$

$$\text{Cost of 1 kg of almonds} = \frac{50.96}{8} \text{ Rs.600}$$

$$\text{Cost of 3 kg of almonds and 4 kg of apples} = 3 \times 600 + 4 \times 96 = \text{Rs. 2184}$$

60. (3)

$$61. (1) \text{ Percentage decrease} = \frac{(6.4 - 5.3)}{6.4}$$

$$\times 100 = 17.18$$

$$62. (3) \text{ Girls in school B in 2009} = 590$$

$$\text{Boys and girls in school E in 2006} = 550 + 360 = 910$$

$$\text{Percentage} = \frac{590}{910} \times 100 = 64.83\%$$

(approx)

63. (3) Average number of girls in school A over the years =

$$\frac{360 + 420 + 690 + 960 + 1290 + 1440}{6} = \frac{5160}{6}$$

$$= 860$$

$$64. (3) \text{ Required ratio} = \frac{\text{Boys in school C in 2009}}{\text{Girls in school A in 2009}}$$

$$\frac{870}{1290} = 29 : 43$$

65. (4)

Year	Total number of students
2005	1310
2006	910
2007	510
2008	1110
2009	1330
2010	3350

66. (1) Male teachers in District F = 100  
Female teachers in District C

$$= \frac{x28}{\xi100} 4500 - 600$$

$$= 1260 - 600 = 660$$

Female teachers in District B =

$$\frac{x16}{\xi100} 4500 - 400 = 720 - 400 = 320$$

$$\text{Total} = 100 + 660 + 320 = 1080$$

67. (4) Female teachers in District D

=

$$\frac{x15}{\xi100} 4500 - 100 = 675 - 100 = 575$$

Total number of teachers in District A

=

$$\frac{14}{100} \times 4500 = 630$$

$$\text{Percentage} = \frac{575}{630} \times 100 = 91.2\% \approx 90\%$$

68. (3)

69. (2) Female teachers in District F

$$= \frac{x6}{\xi100} 4500 - 100 = 270 - 100 = 170$$

Total number of teachers in District E

=

$$\frac{21}{100} \times 4500 = 945$$

$$\text{Difference} = 945 - 170 = 775$$

70. (3)

$$\frac{\text{Male teachers in District C}}{\text{Female teachers in District}} = \frac{600}{320} = \frac{15}{8}$$

71. (2) 81. (3) 91. (1)

72. (1) 82. (4) 92. (3)

73. (4) 83. (5) 93. (2)

74. (4) 84. (1) 94. (4)

75. (5) 85. (4) 95. (5)

76. (3) 86. (4) 96. (1)

77. (1) 87. (2) 97. (3)

78. (5) 88. (3) 98. (2)

79. (2) 89. (5) 99. (5)

80. (4) 90. (1) 100. (5)