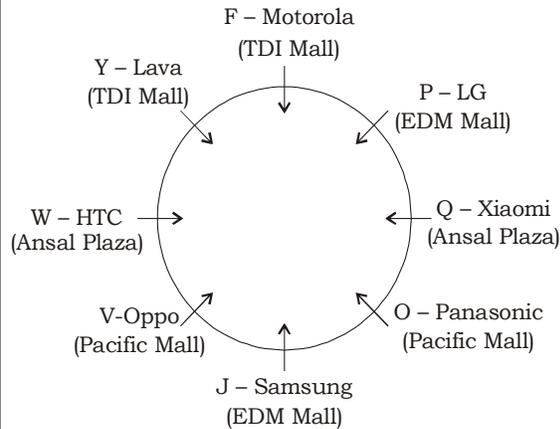


**SBI PO PHASE - I - 151 (SOLUTION)**

**REASONING**

(1-5) :



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

(6-10) :

The machine rearranges one word and one number in each step. As for word, the words are arranged in alphabetical order while for numbers, perfect square and non-perfect square come in each alternate step in ascending order.

**Input:** ink 17 silent 100 burn 15 49 June 25 queen 64 3 firefox 20 time

**Step I:** burn 25 ink 17 silent 100.15 49 June queen 64 3 firefox 20 time

**Step II:** burn 25 firefox 3 ink 17 silent 100 15 49 June queen 64 20 time

**Step III:** burn 25 firefox 3 ink 49 17 silent 100 15 June queen 64 20 time

**Step IV:** burn 25 firefox 3 ink 49 June 15 17 silent 100 queen 64 20 time

**Step V:** burn 25 firefox 3 ink 49 June 15 queen 64 17 silent 100 20 time

**Step VI:** burn 25 firefox 3 ink 49 June 15 queen 64 silent 17 100 20 time

**Step VII:** burn 25 firefox 3 ink 49 June 15 queen 64 silent 17 time 100 20

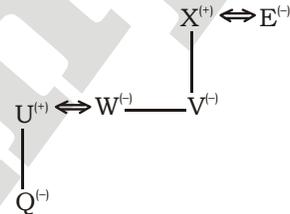
6. (2)                      7. (2)                      8. (2)  
9. (1)                      10. (2)

(11-15) :

| Day       | Person | Colours | Games                  |
|-----------|--------|---------|------------------------|
| Monday    | Rupali | Grey    | Shooter / Table Tennis |
| Tuesday   | Raghav | Voilet  | Hockey                 |
| Wednesday | Nutan  | Pink    | Archery                |
| Thursday  | Vishan | White   | Shooter / Table Tennis |
| Friday    | Vikash | Green   | Judo                   |
| Saturday  | Payal  | Red     | Cricket                |
| Sunday    | Neelam | Blue    | Chess                  |

11. (2)                      12. (2)                      13. (1)  
14. (3)                      15. (1)

(16-18) :



16. (3)                      17. (3)                      18. (3)

(19-23) :

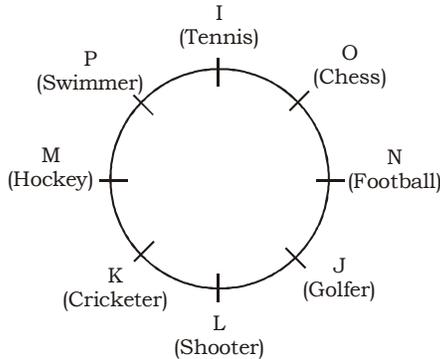
| Person | Game         | T-shirt | Mobile  |
|--------|--------------|---------|---------|
| D      | Carrom       | Blue    | Vivo    |
| E      | Kho-Kho      | Yellow  | Samsung |
| F      | Chess        | Violet  | Samsung |
| G      | Hockey       | Red     | Nokia   |
| H      | Table Tennis | Orange  | Vivo    |
| M      | Badminton    | Green   | Nokia   |

19. (2)                      20. (1)                      21. (5)  
22. (2)                      23. (3)

(24-28) :

24. (4) I.  $K \geq M$  [  $M \geq J = K$  ]  $\rightarrow$  False  
 $M \geq H$  [  $H < I > J \leq M$  ]  $\rightarrow$  False  
 Neither conclusion I nor II is true.  
 25. (5) I.  $S > T$  [  $T \leq R < S$  ]  $\rightarrow$  True  
 II.  $P \geq T$  [  $P = Q \geq R \geq T$  ]  $\rightarrow$  True  
 Both conclusion I and II are true.  
 26. (4) I.  $R > P$  [  $R \geq O < P$  ]  $\rightarrow$  False  
 II.  $R \geq N$  [  $R \geq O \leq N$  ]  $\rightarrow$  False  
 Neither conclusion I nor II is true.  
 27. (4)  $R > S \geq T < U, V > T > X$   
 I.  $V > S$  [  $S \geq T < V$  ]  $\rightarrow$  False  
 II.  $U > V$  [  $V > T < U$  ]  $\rightarrow$  False  
 Neither conclusion I nor II is true.  
 28. (4) I.  $A \geq E$  [  $A = B \leq C \geq E$  ]  $\rightarrow$  False  
 II.  $E > D$  [  $E \leq C > D$  ]  $\rightarrow$  False  
 Neither conclusion I nor II is true.

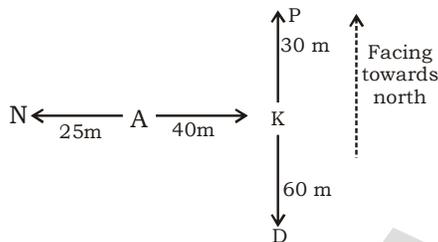
**(29-33) :**



29. (3)    30. (4)    31. (2)    32. (2)  
33. (3) J and N, when counted clockwise.

**(34-35) :**

Clearly, the arrangement of boys is as shown.



34. (5) Clearly, Amit is to the left of Keshav and Praveen is to the north-east of Amit.  
35. (3) Required distance = NA + AK + KR + RP  
(25 + 40 + 60 + 90) m = 215 m.

**Maths**

**(36-40) :**

36. (1) ?  $\approx 395 + 187 = 582$   
37. (2) ?  $= \sqrt[3]{3380} + \sqrt{1300}$   
 $\approx \sqrt[3]{3375} + \sqrt{1296}$   
 $= 15 + 36 = 51$   
38. (3) ?  $\approx (5)^2 + (21)^3 + \sqrt{1089}$   
 $= 25 + 9261 + 33 = 9319$   
39. (4) ?  $\approx \frac{7020}{3} \times \frac{13}{29} = 1048.96 \approx 1050$   
40. (5) ?  $\approx \frac{5000 \times 25}{100} - \frac{3000 \times 65}{100}$   
 $= 1250 - 1950 = -700$

**(41-45):**

41. (5) Required number of appeared candidates who qualified from state P in 2008  
 $= \frac{126}{7} \times (11 + 7) = 324$

$\therefore$  Total number of appeared candidate from state P in 2008

$$= \left( \frac{324}{60} \times 100 \right) = 540$$

42. (3) Let the number of appeared candidate from state Q in 2006 = 100

$\therefore$  number of appeared candidate in 2007 from state Q in 2007 = 200

$\therefore$  Required number of appeared candidate from Q in 2006

$$= \frac{408}{(30+90)} \times 100 = 340$$

43. (1) Required difference

$$= 450 \times \frac{60}{100} - 600 \times \frac{43}{100}$$

$$= 270 - 258 = 12$$

44. (4) Required number of qualified candidate from state Q in 2010 = (3  $\times$  210)

$$- \left( 280 \times \frac{60}{100} + 550 \times \frac{50}{100} \right)$$

$$= 630 - (168 + 275)$$

$$= 630 - 443$$

$$= 187$$

45. (3) Number of qualified candidate from state

$$P \text{ in } 2009 = 480 \times \frac{70}{100} = 336$$

$\therefore$  Required number of qualified candidate

$$\text{from state P in } 2010 = \frac{336}{14} \times 9$$

$$= 216$$

**(46-50):**

46. (4) The series is based on the following pattern.

$$11 = 2 \times 3 + 5$$

$$38 = 11 \times 4 - 6$$

$$197 = 38 \times 5 + 7$$

$$1172 \neq 197 \times 6 - 8$$

$\therefore$  1172 is wrong and it should be replaced by  $197 \times 6 - 8 = 1174$

47. (1) The series is based on the following pattern :

$$107 - 71 = 36 = 6^2$$

$$71 - 46 = 25 = 5^2$$

$$46 - 30 = 16 = 4^2$$

$$30 - 21 = 9 = 3^2$$

$$21 - 19 = 2 \neq 2^2$$

$\therefore$  19 should be replaced by 17 for which  $21 - 17 = 2^2$

48. (4) The series is based on the following pattern :
- $$16 = 9 + 7$$
- $$25 = 16 + 9$$
- $$41 = 16 + 25$$
- $$68 \neq 25 + 41$$

49. (3) The series is based on the following pattern :

$$4 \quad 2 \quad \boxed{3.5} \quad 7.5 \quad 26.25 \quad 118.125$$

$$\begin{array}{cccccc} \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ \times 0.5 & \times 1.5 & \times 2.5 & \times 3.5 & \times 4.5 & \end{array}$$

Obviously, 3.5 is the wrong number which should be replaced by 3.

50. (2) The series is based on the following pattern :

$$16 \quad 4 \quad 2 \quad 1.5 \quad \boxed{1.75} \quad 1.875$$

$$\begin{array}{cccccc} \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ \times 0.25 & \times 0.5 & \times 0.75 & \times 1 & \times 1.25 & \end{array}$$

Obviously, 1.75 is the wrong number which should be replaced by 1.5.

51. (4) Suppose the initial weight of the stone =  $6x$  kg.

Thus, its price would be  $k(6x)^2$  rupees.

The total price of those three stone - pieces =  $k[(1x)^2 + (2x)^2 + (3x)^2]$

$$= 14 kx^2 \text{ rupees}$$

Now, loss occurred after being cut =  $36kx^2 - 14kx^2 = 22 kx^2$

Now, according to question,

$$₹ 5184 = 36 kx^2$$

$$\Rightarrow 1 kx^2 = \frac{5184}{36} = ₹ 144$$

$$\Rightarrow 22 kx^2 = 144 \times 22 = ₹ 3168$$

52. (4) Suppose capacity of the tank = 24 litre.

Thus, Efficiency of A = 3 litre/hour

and B = 4 litre/hour

After 2 hour, amount of water in tank

$$= 2 \times (4 + 3) = 14 \text{ litre.}$$

Now, Amount of water to be filled

$$= 24 - 14 = 10 \text{ litre.}$$

Thus, Total time required by B to fill the

$$\text{tank} = \frac{10}{4} = 2.5 \text{ hours.}$$

53. (2) The rate interest accrued on the sum

$$= \frac{700}{5000} \times 100 = 14\%$$

Thus, required simple interest

$$= 7000 \times \frac{170}{100} = ₹ 11,900$$

54. (4) Required ratio =  $\frac{6.4}{21.6}$

$$\Rightarrow \frac{v_1}{v_2} = \frac{6.4}{21.6}$$

$$\Rightarrow \frac{\frac{2}{3}\pi(r_1)^3}{\frac{2}{3}\pi(r_2)^3} = \frac{8}{27}$$

$$\Rightarrow \left(\frac{r_1}{r_2}\right)^3 = \left(\frac{2}{3}\right)^3 \Rightarrow r_1 : r_2 = 2 : 3$$

55. (4) Total age of all 4 boys =  $4 \times 9 = 36$  yrs.  
Now, at present would be  $(36 + 5 \times 4)$  yrs.

Again,

Total age of all five boys at present =  $15 \times 5 = 75$  yrs.

Thus, age of new boy =  $75 - 36 = 39$  yrs.

**(56-60):**

56. (4) Required average =  $\frac{8500}{100} \times \frac{1}{3} \times (24 + 20 + 15) = 1671.66 \approx 1671$

57. (1) No. of males in Train - R

$$= 8500 \times \frac{9}{100} \times \frac{40}{100} = 306$$

58. (5) Required % =  $\left(\frac{19}{13+9} \times 100\right)\%$

$$= \left(\frac{19}{22} \times 100\right)\%$$

$$= 86.36\% \approx 86\%$$

59. (3)

60. (4) Required % =  $\left[\frac{(20-15)}{15} \times 100\right]\%$

$$= 33.33\% \approx 33\%$$

**(61-65):**

61. (4) The given data are inadequate.

62. (5) From statement II,

If the age of Rani =  $x$  years, then  
Surekha's age =  $2x$  years

$$\therefore x + 2x = 72$$

$$\Rightarrow 3x = 72 \text{ years}$$

$$\Rightarrow x = \frac{72}{3} = 24 \text{ years}$$

$\therefore$  Rani's age = 24 years

As per the given information in statement I, Nidhi's age can be determined.

63. (2)  
64. (5) Let Mr. Mehta's present income be ₹  $x$ .  
From statement I and II, 10% of  $x = 2500$

$$\Rightarrow x \times \frac{10}{100} = 2500$$

$$\Rightarrow x = 2500 \times 10 = ₹ 25000$$

65. (3) From statement I, Speed of the bus

$$= \frac{\text{Distance covered}}{\text{Time Taken}}$$

$$= \frac{80}{5} = 16 \text{ kmph}$$

As per the information in statement II, the speed of the bus can also be determined.

**(66-70):**

66. (5) I.  $4x^2 + 17x + 15 = 0$

$$\Rightarrow x = -\frac{5}{4} \quad \text{or, } x = -3$$

II.  $3y^2 + 19y + 28 = 0$

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

or,  $y = -4$

Hence, relationship between  $x$  and  $y$  can't be established.

67. (5) I.  $3x^2 - 17x + 22 = 0$

$$\Rightarrow x = \frac{11}{3} \quad \text{or, } x = 2$$

II.  $5y^2 - 21y + 22 = 0$

$$\Rightarrow y = \frac{11}{5} \quad \text{or, } y = 2$$

Hence, relationship between  $x$  and  $y$  can't be established.

68. (3) I.  $3x^2 + 11x + 10 = 0$

$$\Rightarrow x = -\frac{5}{3} \quad \text{or, } x = 2$$

II.  $2y^2 + 13y + 21 = 0$

$$\Rightarrow y = -\frac{7}{2} \quad \text{or, } y = -3$$

Hence,  $x > y$

69. (4) I.  $3x^2 + 13x + 14 = 0$

$$\Rightarrow x = -\frac{7}{3} \quad \text{or, } x = -2$$

II.  $8y^2 + 26y + 21 = 0$

$$\Rightarrow x = -\frac{7}{4} \quad \text{or, } y = -\frac{3}{2}$$

Hence,  $y > x \Rightarrow x < y$

70. (1)  $3x^2 - 14x + 15 = 0$

$$\Rightarrow x = \frac{5}{3} \quad \text{or, } x = 3$$

II.  $15y^2 - 34y + 15 = 0$

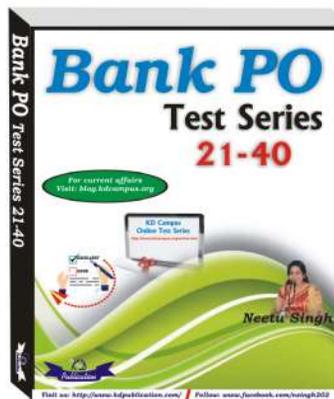
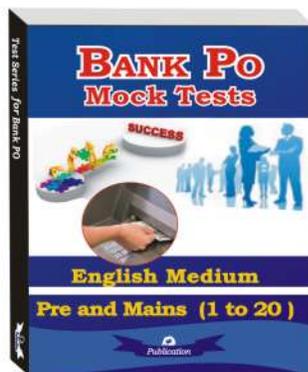
$$\Rightarrow y = \frac{3}{5} \quad \text{or, } y = \frac{5}{3}$$

Hence,  $x \geq y$

**ENGLISH LANGUAGE**

91. (2) Add 'that' before 'the work'.  
92. (4) Change 'indicates' into 'indicate'.  
93. (3) Change 'to be' into 'being'.  
94. (3) Remove 'the' before 'earth'.  
95. (1) Change 'life' into 'lives'.  
96. (1) Change 'have' into 'has'.  
97. (2) Change 'linkage to into' 'linked to'.  
98. (1) Change 'easy through' into 'eased through'.  
99. (5) No error.  
100. (1) Remove 'the' before 'Anglo - saxon'.

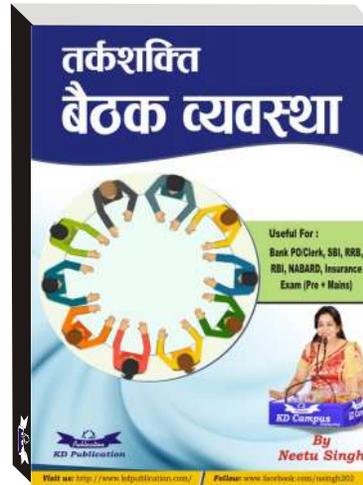
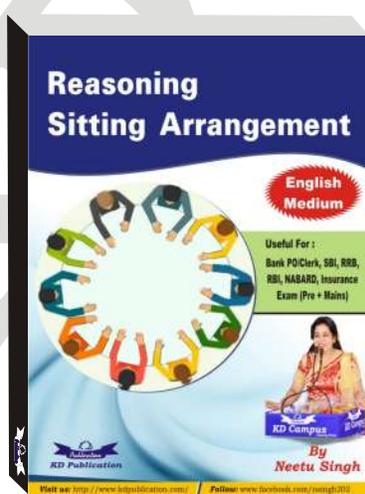
**For all Bank PO/ Clerk Exams**



## VOCABULARIES

| Word          | Meaning in English                             | Meaning in Hindi     |
|---------------|--|----------------------|
| Burgeoning    | increase rapidly                               | तेजी से बढ़ता हुआ    |
| Substantial   | of considerable importance, size, or worth     | पर्याप्त             |
| Prosperity    | the state of being prosperous                  | समृद्धि, सम्पन्नता   |
| Attractions   | power of evoking interest                      | आकर्षण               |
| Fever Pitch   | a state of extreme excitement                  | उत्तेजना की चरम सीमा |
| Sanitation    | conditions relating to public health           | स्वच्छता             |
| Rendered      | provide or give                                | देना                 |
| Lymph tissues | a colorless fluid containing white blood cells | लसीका ऊतक            |
| Aggression    | hostile or violent behavior                    | आक्रमकता             |
| Derive (from) | obtain something from                          | उत्पन्न होना         |

## For all Bank PO/ Clerk Exams



KD  
Campus

## KD Campus

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

### SBI PO PHASE - I - 151 (ANSWER KEY)

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