



# Grand Test – SPP 180545



45. (2) 20% of amount left after donation

$$= \frac{1}{5} \times \frac{95}{100} \times 44000$$

$$= \text{Rs. } 8360$$

$$\therefore \text{C.I. after 3 years} = 8360 \left[ \left( 1 + \frac{5}{100} \right)^3 - 1 \right]$$

$$= 8360 \times 0.1576$$

$$\approx \text{Rs. } 1318$$

46. (1)  $a = \frac{1}{2}, -1; b = \frac{3}{4}, \frac{2}{3}; a < b$

47. (2)  $a = 3, 2; b = 3, \frac{7}{2}; a \leq b$

48. (5)  $a = -3, -2; b = -4, -3; a \geq b$

49. (4)  $a = \frac{1}{4}, \frac{-1}{4}; b = -2, \frac{-1}{3}; a > b$

50. (3)  $a = -1; b = 2, -2$

51. (3) 52. (1)

53. (1) 54. (1) 55. (1)

56. (5) Required ratio =  $\frac{18 \times 8000}{100} \times \frac{9}{16} : \frac{33 \times 8000}{100} \times \frac{5}{16} = 54 : 55$

57. (1) Required percentage =  $\frac{810 - 450}{450} \times 100 = 80\%$

58. (5) Average =  $\frac{750 + 597.33}{2} \approx 673$

59. (2) Required % =  $\frac{480}{630} \times 100 = 76.2\% \approx 76\%$

60. (2) Difference =  $825 - 750 = 75$

61. (4)  $448 \div 28 \times 5 = 16 \times 5 = 80$

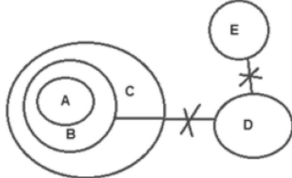
62. (4)  $1680 \div 15 \times 5 = 112 \times 5 = 560$

63. (4)  $5238 - 6630 + 7154 - 2205 = 12392 - 8835 = 3557 \approx 3558$

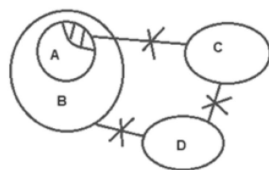
64. (5)  $\frac{460 \times 850}{100} + 2.665 \times 6284 - 1486 = 3910 - 1486 + 2.66 \times 6284 \approx 19140$

65. (4)  $(9321 + 5406 + 1001) \div (498 + 929 + 660) = 15728 \div 2087 \approx 7.5$

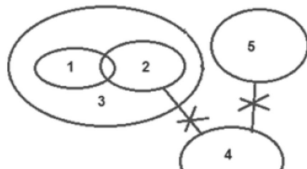
66. (4)



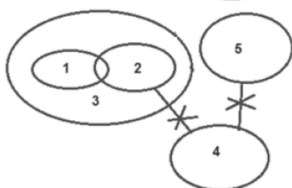
67. (3)



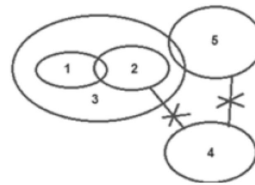
68. (5)



69. (4)



70. (5)



71. (3)

72. (4)

73. (3)

74. (4)

75. (5)

76-80. The word and number rearrangement machine rearranges one word and one number in each step from left to right end. It rearranges words in an alphabetical order, and numbers in such a way that if the number of alphabets present in word is even, the number is equal to that number of alphabets which comes along with word and if the number of alphabets is odd, the number is square of total number of alphabets present which comes along with word.

For the given Input:-

**Input:** bus 9 a joints rose 1 6 4 toe 49 9 princes managements 121 tight 25

**Step I:** a 1 bus 9 joints rose 6 4 toe 49 9 princes managements 121 tight 25

**Step II:** a 1 bus 9 joints 6 rose 4 toe 49 9 princes managements 121 tight 25

**Step III:** a 1 bus 9 joints 6 managements 121 rose 4 toe 49 9 princes tight 25

**Step IV:** a 1 bus 9 joints 6 managements 121 princes 49 rose 4 toe 9 tight 25

**Step V:** a 1 bus 9 joints 6 managements 121 princes 49 rose 4 tight 25 toe 9

76. (5)

77. (2)

78. (5)

79. (4)

80. (4)

81-83.

A(-) = H(+)

A(-) = H(+)

B(-) = C(+)

B(-) = C(+)

G(-) = D(+)

G(-) = D(+)

E(+)

E(+)

81. (2)

82. (1)

83. (4)

84. (2)

85. (1)

Eldest - B C D A E

86. (5)

$V \leq S < L < J$

$V < L(\text{True})$

$S < J(\text{True})$

87. (2)

$M \leq R < J \leq H$

$M \leq H(\text{False})$

$R < H(\text{True})$

88. (1)

$H \geq F = G > M$

$H > M(\text{True})$

$H > G(\text{False})$

89. (4)

$R < J > T \leq L$

$R = T(\text{False})$

$J = L(\text{False})$

90. (1)

$W = T \geq K > F$

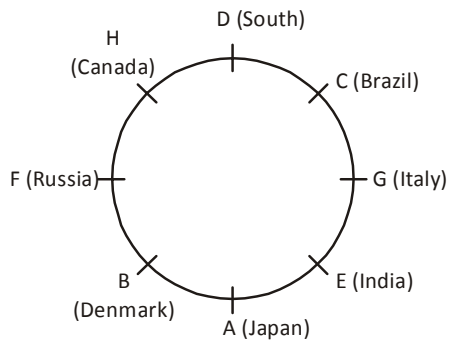
$W \geq K(\text{True})$

$W = K(\text{False})$

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91 – 95.



- 91. (1)
- 93. (3)
- 96. (3)
- 98. (4)

- 92. (3)
- 94. (5)
- 97. (1)
- 99. (3)

- 95. (5)
- 100. (4)

