



**Grand Test – IPP 181045**



37. (3) Police : Thief  
Steps: 8 : 10  
Distance: 7 : 5  
56      50

38. (4) Speed = 28 : 25  
A — 36  
B — 48  
A + B + C — 12  
144  
3  
3

Expert Remuneration  
 $= \frac{5}{12} \times 28,800 = 5 \times 2400 = \text{Rs. } 12000$

39. (4) A + B — 8  
B — 12  
C — 12  
24  
3  
2  
2  
(A + B) work for 4 days =  $3 \times 4 = 12$  units  
B work for 2 more days =  $2 \times 2 = 4$  units  
Remaining work done by C alone  
 $= \frac{24-16}{2} = \frac{8}{2} = 4$  days

40. (4) A — 2  
A + B —  $\frac{7}{3}$   
14  
7  
6

The leak can drain all the water is  
 $= \frac{14}{1} = 14$  hours

41. (1) Percentage decrease in petrol prices –  
Delhi – 4.8%  
Mumbai – 3.48%  
Chennai – 3.03%  
Kolkata – 4.17%

42. (2) Percentage decrease in diesel prices –  
Delhi – 0.46%  
Mumbai – 0.38%  
Chennai – 3.16%  
Kolkata – 0.40%

43. (3) % reduction of petrol prices in Delhi = 4.8%  
% increase in the consumption =  
 $\frac{\% \text{ reduction in petrol prices}}{100 - \% \text{ reduction of petrol prices}} \times 100 = \frac{4.80}{95.20} = 5.04\%$

44. (2) Required average =  $\frac{74.15 - 73.33}{4} = .205$  Rs. = 20.5 paise

45. (4) Required % =  $\frac{29.015}{27.99} \times 100 = 103.66\%$

46. (1) Difference between profit earned by A and B in 2003 = 250 – 200 = 50 Cr  
In 2004 = 300 – 250 = 50 Cr  
In 2005 = 350 – 250 = 100 Cr  
In 2006 = 400 – 275 = 125 Cr  
In 2007 = 375 – 350 = 25 Cr  
In 2008 = 450 – 400 = 50 Cr  
So difference is maximum in 2006

47. (4) % age increase in profit earned by company C from 2006 to 2007 =  $\frac{450-300}{300} \times 100 = 50\%$

48. (2) Profit earned by all companies in 2003 = 850 Cr  
In 2004 = 900 Cr                      In 2005 = 1000 Cr  
In 2006 = 975 Cr                      In 2007 = 1175 Cr  
In 2008 = 1200 Cr  
So profit earned by all companies together is minimum in 2003

49. (4) Percentage =  $\frac{250}{375} \times 100 = 66.67 \approx 67\%$

50. (3) Profit earned by A in 2005 = 250 Cr  
Profit earned by A in 2008 = 400 Cr  
Difference = 400 – 250 = 150 Cr

51. (3)  $x = 5, -8; y = 6, 8; x < y$

52. (2)  $x = -2, 1; y = -2, -3; y \leq x$

53. (3)  $x = -2, y = 5; x < y$

54. (4)  $x = +7, -7; y = 7, 9, y \geq x$

55. (1)  $x = \frac{-6}{2}, \frac{-7}{2}; y = -8, \frac{-11}{2}, x > y$

56. (4) Required No. of days =  $5c_2 \times 3c_1$   
 $= \frac{51}{2} \times 3$   
 $= \frac{2131}{5 \times 4} \times 3$   
 $= \frac{2}{2} \times 3 = 30$   
 $= 10 \times 3 = 30$

57. (2) CP = 11250 + 150 + 800 = 12200

∴ Required SP =  $\frac{115}{100} \times 12200 = 14030$

58. (2) Total interest earned = 2000 + 2000 + 200 + 4000 + 400 + 400 + 40 = 9040 Rs.

59. (2) Let the no. be (10x + y)

$10y + x = 10x + y - 27$

$9x - 9y = 27$

$x - y = 3$

Let  $x = 2k, y = k$

∴  $k = 3$

$x = 6, y = 3$

∴  $k = 3$

$x = 6, y = 3,$

∴ Required no. = 63

60. (5) Let original fraction =  $\frac{x}{y}$

$\frac{120x}{125y} = \frac{3}{5}$

$\frac{40x}{25y} = 1$

$\frac{x}{y} = \frac{5}{8}$

61. (3)  $? = 2 \times (79)^2 + 2 \times (49)^2 = 2 \times [6241 + 2401] = 17284$

62. (2)  $? = \frac{(7^3)^2 \times (8^3)^2}{56} = \frac{49 \times 64}{56} = 56$

63. (4)  $?\left(\frac{4}{3} - 1\right) = \frac{7}{8} \times 616 \times 12 \times \frac{1}{16} - 17 \times 19 - 81$

$? \times \frac{1}{3} = \frac{308 \times 21}{16} - 323 - 81 = \frac{1617}{4} - 404$

$? \times \frac{1}{3} = \frac{1}{4}$

∴  $? = \frac{3}{4}$

64. (4)  $84 + 144 = \frac{1140}{x}$   
 $x = \frac{1140}{228} = 5$

65. (5)  $\frac{13}{7} \times \frac{11}{6} \times \frac{9}{5} \times \frac{70}{429} = \frac{1}{5} \times x$   
 $x = 5$

66-70. 

#	<
©	>
\$	≥
π	≤
%	=

66. (2)

67. (2)

68. (5)

69. (4)

70. (1)

71-75. fastest – re

champion – nu

is – li

vettel – fo

team – jit

Ferrari / was – pil / dil

71. (3)

72. (5)

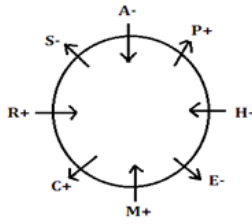
73. (4)

74. (3)

75. (2)

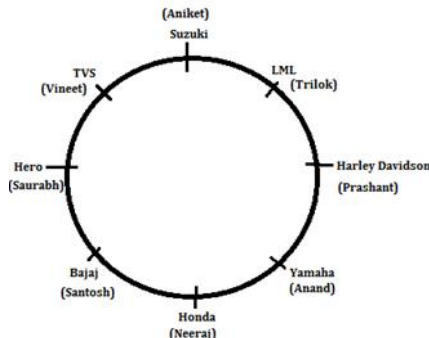
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76-79.



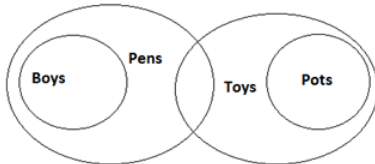
- 76. (2)
- 77. (1)
- 78. (1)
- 79. (3)
- 80. (5)
- 81. (4) Number of rooms is not found from both the statements.
- 82. (4) Both the statements do not tell about colour of curtains on the stage.
- 83. (3) From either of the statements we can find the answer of question.
- 84. (2) In 2nd statement, it is mentioned that men become slaves of habits so we can say that habit's make men's life rigid.
- 85. (4) Both the statement do not describe about child ability to learn.

86-90.

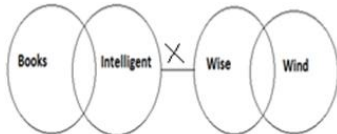


- 86. (1)
- 87. (3)
- 88. (2)
- 89. (4)

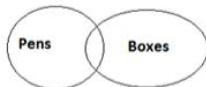
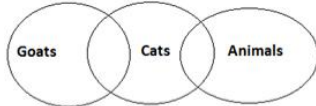
91. (5)



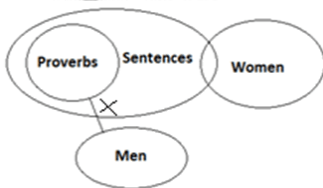
92. (4)



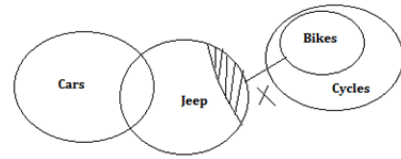
93. (5)



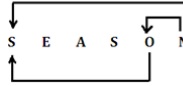
94. (3)



95. (5)



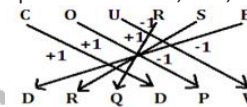
96. (4)



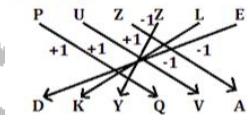
97. (4)

**Given Word:** SUBSTANCE  
 After rearranging the given word, it becomes TANCSUBSE  
 Now, Second from the right is S.  
 Third from the left is N.  
 There are four letter between N and S in the English alphabetical series, ie O, P, Q and R.

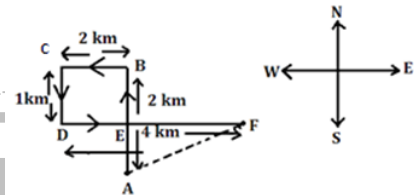
98. (1)



Similarly,



Let A be the man's home and F the market



90. (5)

99-100.

+	≤
-	>
X	=
÷	≥
%	<

99. (4)

100. (4)