KCampus K D Campus Pvt. Ltd 1997, GROUND FLOOR OPPOSITE MUKHERIEE NAGAR POLICE STATION, OUTRAM LINES, GTB NAGAR, NEW DELHI – 09 TEST NO. SSC TIER-II : QUANTITATIVE ABILITIES 59 (Answer with Explanations) Answer Key 21. (D) 41. (C) 61. 81. 1. (D) (A) (D) (D) 2. (B) 22. (B) 42. (B) 62. (C)82. 3. 23. 43. (C) 63. (C)83. (D) (B) (B) 44. 4. 24. (C)(B) 64. (A) 84. (D) (D)5. (A) 25. (C)45. (D) 65. (A) 85. (D)6. (B) **(B)** 26. (B) 46. 66. (B) 86. (C)7. (C)27. (B) 47. (C) 67. (A) 87. (A) 28. 8. (D) (B) 68. (B) 88. (C)48. (B) (A) 29. 9. (C) 49. (C) 69. (B) 89. (A) 10. 70. 90. (C) (C) 30. 50. (D) (B) (A) 11. (B) 31. (C) 51. (A) 71. (A) 91. (D) 12. (C) 32. (C) 52. (B) 72. (A) 92. (D) 13. (D) 33. 53. (B) 73. 93. (C) (D) (A) 14. **(B)** 34. (D) 54. (A) 74. 94. (B) (C)15. (B) 35. 55. (A) (D) 95. (C)(B) 75. **(**B) 16. (B) 36. (A) 56. (A) 76. 96. (B) 17. (C) 37. (A) 57. (C) 77. (C) 97. (A) 38. 98. 18. **(B)** 58. (C) 78. (B) (B) (C)19. 39. 59. (C) 79. 99. (A) (A) (D) (A) 20. 40. (C)60. (A) 80. (B) 100. (D) (D) Answer key with explanations (D) The required numbers = 1212, 1453, Profit = 1175 - x1. 1694, 1935, 2176, 2417, 2658, 2899 (S.P.)₂ = ₹925 Hence, Required numbers = 8 $loss = C.P. - (S.P.)_{2}$ loss = x - 925(B) No. of successful students = $\frac{7}{11} \times 143$ 2. ATQ, 1175 - x = x - 925= 91 $\Rightarrow 2x = 1175 + 925$ No. of unsuccessful students = $\frac{4}{11} \times 143$ $\Rightarrow 2x = 2100 \Rightarrow x = 1050$ Hence cost price of the article = ₹1050 = 52 5. (A) Let original rate per dozen of the $\frac{91+8}{52-8} = \frac{99}{44} =$ bananas = \mathbf{X} The required ratio = Due to 15% fall in the rate of bananas, Hence ratio of successful to rate per dozen of the bananas = $x \times \frac{85}{100}$ unsuccessful students = 9:4 3. (D) 105 80 $=\frac{17x}{20}$ 96 ATQ, $\frac{612 \times 20}{17x} - \frac{612}{x} = 3 \Rightarrow 612 \left(\frac{20 - 12}{17x}\right) = 3$ 105-96 96-80 = 9 = 16

 $\Rightarrow \frac{612 \times 3}{17x} = 3 \Rightarrow x = 36$

Hence original rate per dozen of the bananas = ₹36

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The required ratio = 9:16

(C) Let C.P. = $\mathbf{E} \mathbf{x}$

(S.P.)₁ = ₹1175

 $Profit = (S.P.)_1 - C.P.$

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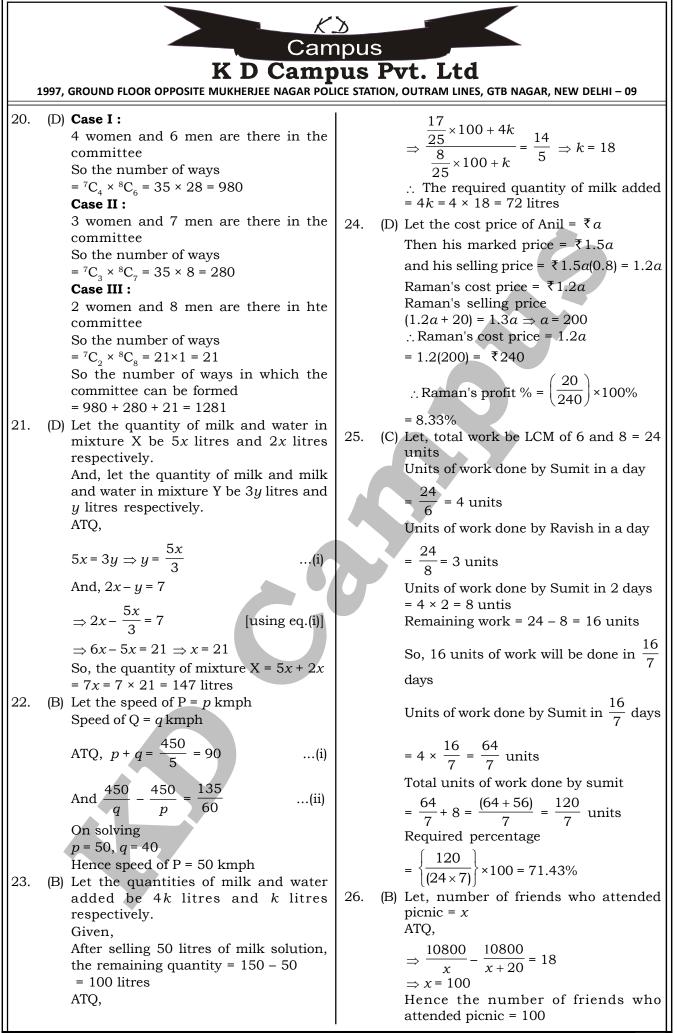
13. (P) Let total work = 90 units
Number of units of work done by Arman,
Vijay and Ketan together in one day

$$= \frac{90}{30} = 3$$

Number of units of work done by Arman
and Ketan together in one day $= \frac{90}{15} = 2$
Number of units of work done by Arman
and Ketan together in one day $= \frac{90}{25} = 2$
Number of units of work done by Yiay
alone in one day $= 3 - 2 = 1$
Number of units of work done by Ketan
alone in one day $= 2 - 0.75 = 1.5$
Number of units of work done by Ketan
alone in one day $= 2 - 0.75 = 1.5$
Number of units of work done by Ketan
alone with increased efficiency in ore
day $= 1.5 \times 1 = 1.5$
Number of units of work done by Ketan
alone with increased efficiency in ore
day $= 1.5 \times 1 = 1.5$
Number of units of work done by Ketan
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alone with increased efficiency in ore
day $= 1.5 \times 1 = 2.5$
Number of units of work done by Ketan
alone with increased efficiency in ore
day $= 1.5 \times 1 = 2.5$
Number of units of work done by Ketan
alone with increased efficiency in ore
day $= 1.5 \times 1 = 2.5$
Number of units of work done by Ketan
alone with increased efficiency in ore
day $= 1.5 \times 2.5 \times 2.5 \times 2.5 \times 3 = 9.5$
And the ratio of their cost prives
respectively.
P1 = $\frac{(5-5)}{5} \times 100 = 20\%$,
P2 = $\frac{(5-5)}{5} \times 100 = 20\%$,
P3 = $\frac{(5-5)}{5} \times 100 = 20\%$,
P4 = $\frac{(5-5)}{5} \times 100 = 20\%$,
P5 = $\frac{(5-5)}{5} \times 100 = 20\%$,
P5 = $\frac{(10000 - 2)}{5} = 12000$
Hence amount paid to clear delt
 $= 12500 + 1200 = 41200$
Hence with divested in scheme B
 $= \pi(10000 - 3)$
Interest after 2 years $= 71840$
 $= \frac{(10000 - 3)}{100} = 1840$
 $= 3475$
 $= 5755$
 $= 60$

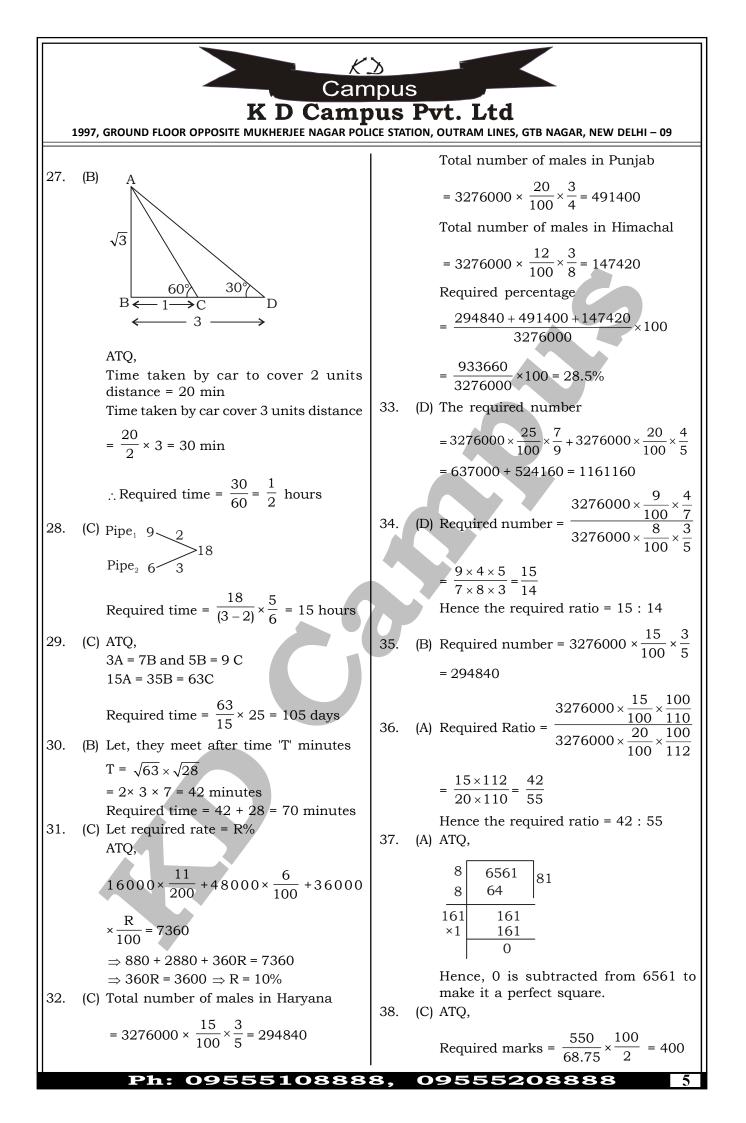
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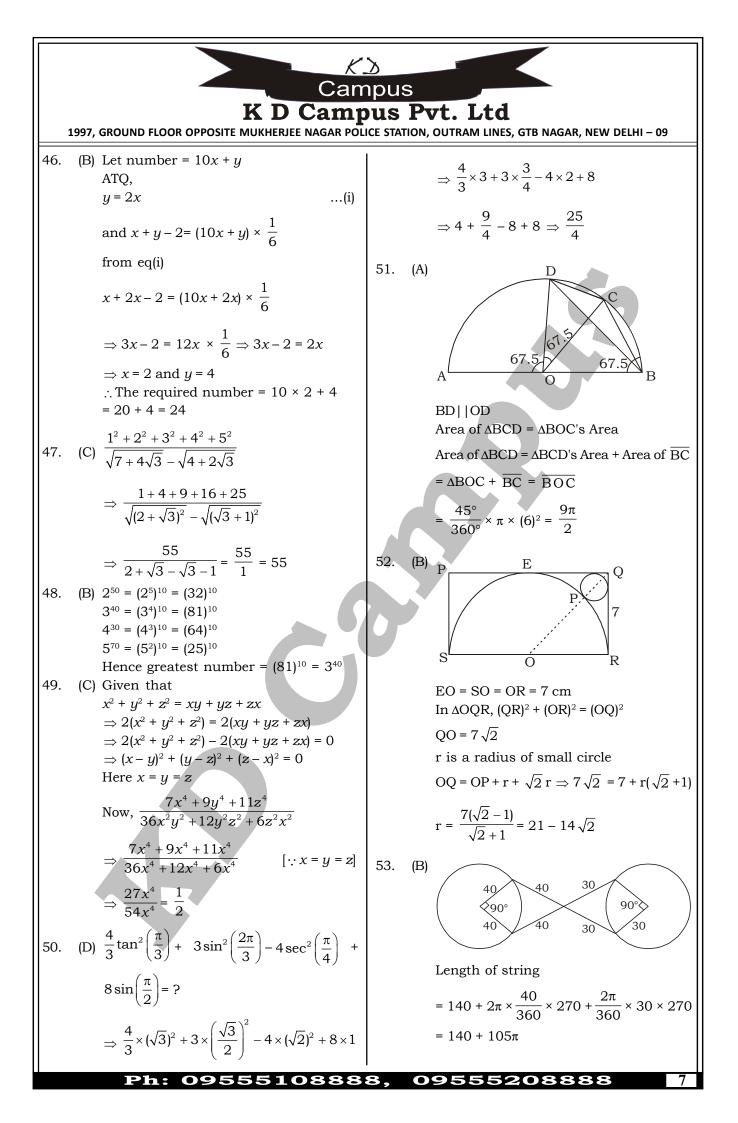


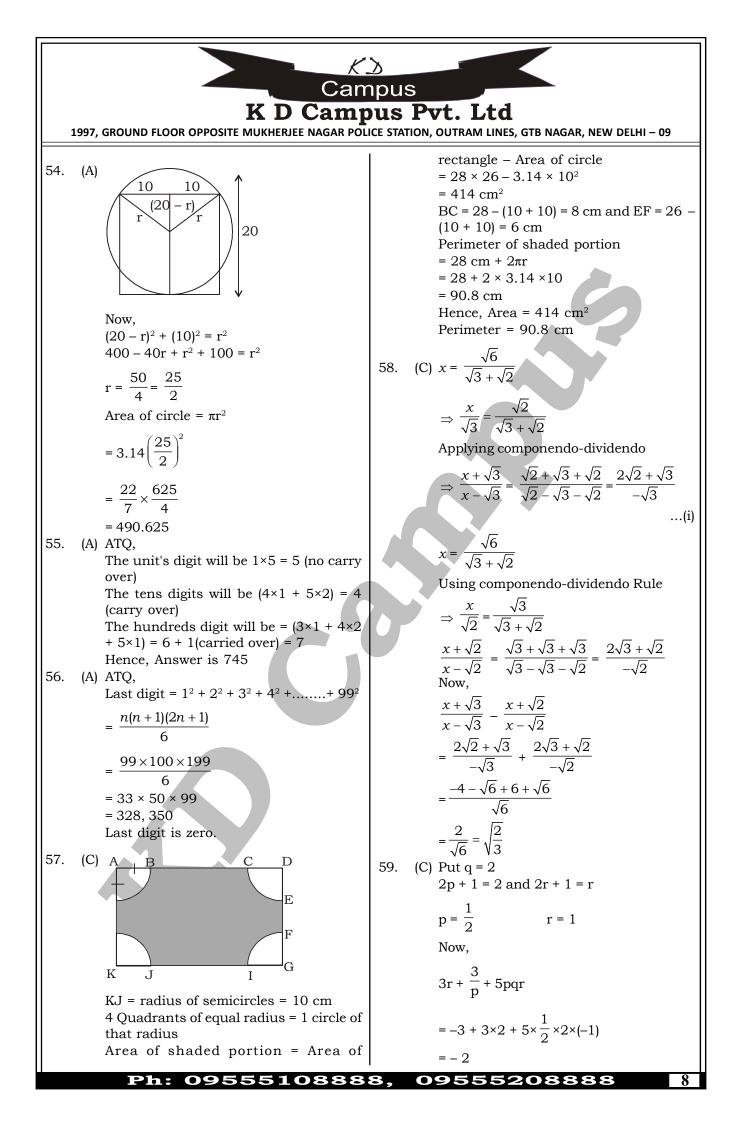
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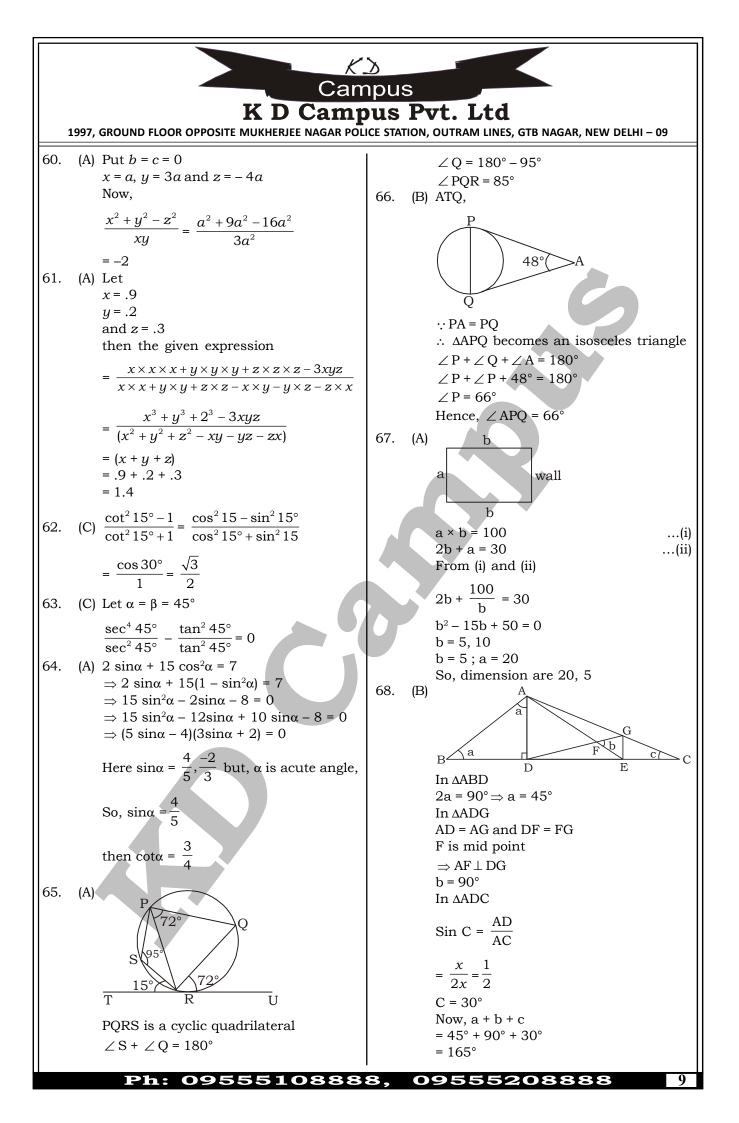
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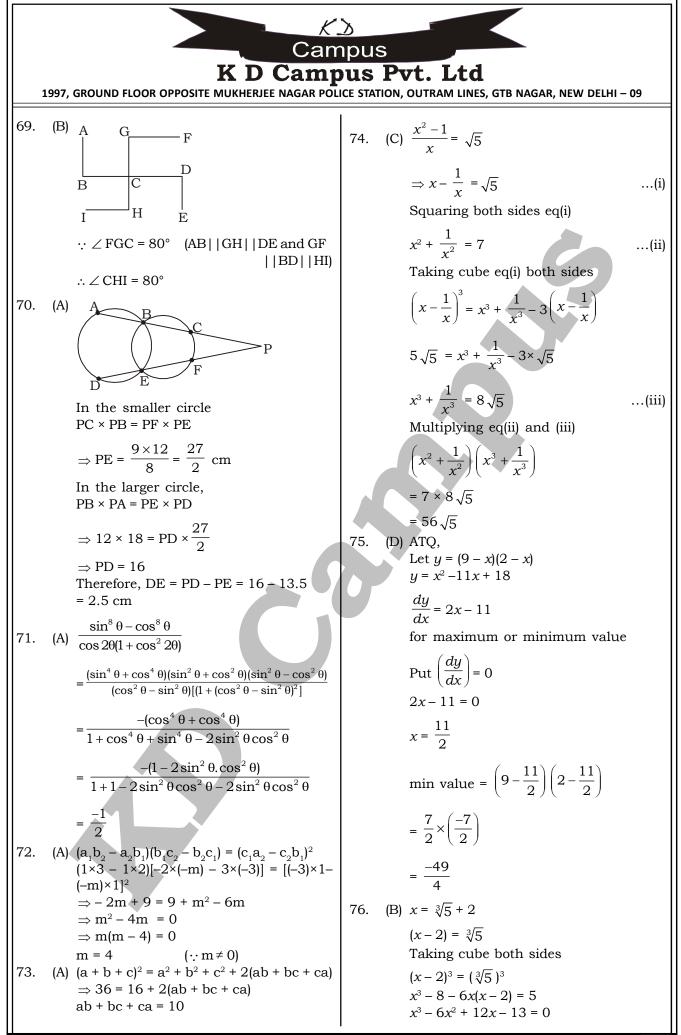


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