QUANTITATIVE ABILITY- SET 2- Questions

1. In 2011, a group of farmers, having total area of land of 1350 Acre, divided it in 7:2 for paddy and wheat cultivation. However, in 2012, they have cultivated sugarcane in 177 acre, increased area for wheat by 25% and cultivated paddy in the rest of the land available. If the total area of land remained same in both years, then approximately by what percentage the area for paddy cultivation decreased in 2012 ?

    A. 25%
    B. 76%
    C. 24%
    D. 34%

2. In what ratio Darjeeling tea of price Rs 32/- per kg should be mixed with Assam tea of price Rs. 25/- per kg, so that selling the mixed tea at price Rs. 32.40 would give 20% profit? What is a synonym of machination ?

    A. 2:3
    B. 3:2
    C. 3:5
    D. 2:5

3. Mohan is traveling in a bike at $3/4$ of its usual speed. He is late by $2^1/_2$ hr to reach destination. The usual time to reach the destination is

    A. 8 hrs 33 mins
    B. 7 hrs 30 mins
    C. 6 hrs 30 mins
    D. 10 hrs 33 mins

4. A square plate of side 4p cm is folded into a cylinder. What is the volume of the cylinder ?

    A. 12 Π^2 cc
    B. 16 Π^2 cc
    C. 20 Π^2 cc
    D. 8 Π cc

5. A cube of edge 15 cm is immersed completely in a rectangular vessel containing water. If the dimensions of the base of vessel are 25 cm x 15 cm, find the rise in water level. ?

    A. 9 cm
    B. 15 cm
    C. 10 cm

D. 12 cm

6. The analysis of sales for a departmental store shows that 20% of the purchases are made by women and 40% of the purchases are high value (i.e. over Rs 5000). If 40% of the high value customers are women, then what is the ratio between low value men and women customers ?

A. 10:1
B. 5:2
C. 1:1
D. 2:5