



### Wednesday, 15 January 2025

1. In two successive years, 80 and 60 students of a school appeared at the final examination of which 60% and 80% passed respectively. The average rate of students passed (in percent) is:

- (A) 68%
- (B)  $68\frac{4}{7}\%$
- (C) 70%
- (D)  $72\frac{3}{7}\%$

2. In an election, a candidate who gets 84 % of the votes is elected by a majority of 476 votes. What is the total number of votes polled?

- (A) 900
- (B) 810
- (C) 600
- (D) 700

3. In certain years a sum of money is doubled itself at  $6\frac{1}{4}\%$  simple interest per annum, then the required time (in years) will be:

- (A)  $12\frac{1}{2}$
- (B) 8
- (C)  $10\frac{2}{3}$
- (D) 16

4. Allowing two successive discounts 20% and 15%, the selling price of an article becomes ₹ 3060, then the marked price will be:

- (A) ₹ 4400
- (B) ₹ 5000
- (C) ₹ 4500
- (D) ₹ 4000

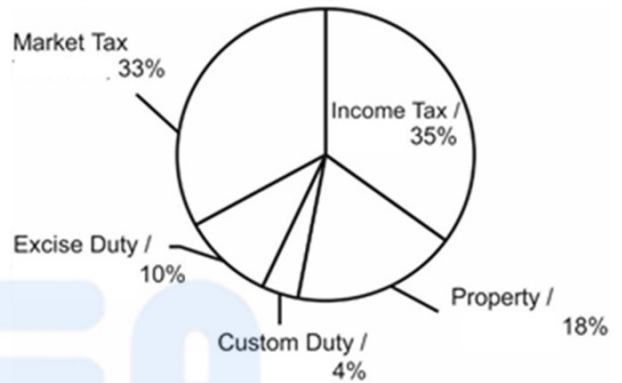
5. The sides of a triangle having area  $7776\text{ cm}^2$  are in the ratio 3 : 4 : 5. What is the perimeter (in cm) of the triangle?

- (A) 400
- (B) 412
- (C) 424
- (D) 432

6. In a parallelogram PQRS, DP is four times of DQ, then the measure of DR is:

- (A)  $36^\circ$
- (B)  $72^\circ$

Directions (7-10): Study the following pie chart carefully and answer the questions based on it.



The following pie chart shows the income (in ₹ crores) of a state under different heads.

7. If the income from the market tax in a year be ₹ 165 crores then the total income from other sources is (in ₹ crores):

- (A) ₹ 365
- (B) ₹ 345
- (C) ₹ 325
- (D) ₹ 335

8. The central angle of the sector representing income tax is:

- (A)  $150^\circ$
- (B)  $135^\circ$
- (C)  $119^\circ$
- (D)  $126^\circ$

9. If the total income in a year be ₹ 733 crores, then the income (in ₹ crores) from 'Income tax' and 'Excise duty' is:

- (A) ₹ 329.80
- (B) ₹ 331.45
- (C) ₹ 331.50
- (D) ₹ 329.85

10. Income from market tax is how much percent more than income from excise duty?

- (A) 130
- (B) 230
- (C) 150
- (D) 330

1-{B} - 2-{D} - 3-{D} - 4-{C} - 5-{D} - 6-{D} - 7-{D} - 8-{D} - 9-{D} - 10-{B}