

ATOMIC ENERGY CENTRAL SCHOOL NO.3, RAWATBHATA

Periodic Test- II (2018-19)

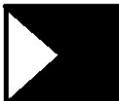
Class: VII

Time: 1:30 Hours

Subject – Mathematics

MM – 40

QI Multiple choice questions. (1X10=10)

- 1 The ratio of 3cm to 6 mm = _____
a) 3:6 b) 5:1 c) 6:3 d) 2:3
- 2 1% = _____
a) 100:1 b) 10 c) 0.01 d) 0.001
- 3 3.5 = _____ %
a) 35% b) 3.5% c) 30% d) 350%
- 4 What percent of this figure is shaded?

a) 50% b) 25% c) 75% d) 80%
- 5 Profit percent = _____
a) $(\text{Profit} / \text{CP}) \times 100\%$ b) $(\text{CP} - \text{Profit}) / 100$ c) $\text{SP} - \text{CP}$ iv) None of these.
- 6 What will be the Simple interest after T years on the investment of Rs. P at the rate of R% p.a.
a) $I = (\text{PRT}) / 100$ b) $I = (\text{PT}) / 100$ c) $I = (\text{PR} \times 100) / T$ d) $I = \text{PT} / (\text{R} \times 100)$
- 7 A Rational number can be written in the form of _____ where p and q are integers and q is not equal to 0
a) pq b) p+q c) p/q d) p-q
- 8 A Rational number between $4/5$ and $2/3$ is _____
a) $11/15$ b) $8/5$ c) $10/3$ d) $16/15$
- 9 The total length of the boundary of given shape is called _____.
a) length b) breadth c) perimeter d) area
- 10 Area of a square = _____
a) $(\text{side})^2$ b) 2side c) 4side d) $(\text{side})^3$

QII Very short answer questions.(solve any five) (2X5 =10)

- 1 Reduce $(-45 / 30)$ to the standard form.
- 2 Find difference between two rational number $(5/7)$ and $(3/8)$.
- 3 Find the product of $(9/2)$ and $(-7/4)$.
- 4 Find the area of a square field whose side is 12m.
- 5 What will be the perimeter of a 90m long and 30m wide rectangle play ground .
- 6 Calculate the perimeter of a triangle flag ,the side are 18inches 29 inches and 15 inches.
- 7 Write two more Rational numbers in the following patterns.
 $(-1/4), (-2/8), (-3/12), \underline{\hspace{2cm}}, \underline{\hspace{2cm}}$
- 8 Out of 25 children , 15 are girls. What is the percentage of girls?
- 9 A shop has 500 items , out of which 5 are defective. What percent are defected?
- 10 Are the ratio 1:2 and 2:3 equivalent? If no then which is greater?

QIII Short answer questions. solve any four (3X4=12)

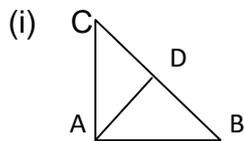
- 1 In a computer lab there are 3 computers for every 6 students. How many computers are needed for 80 students?
- 2 Mala has a collection of bangles. She has 30 gold and 20 silver bangles. What is the percent of bangles of each type bangles?

- 3 We have a basket full of apples , oranges and mangoes. If 50% are apples, 30% are oranges. The what percent are mangoes?
- 4 Out of 15000 voters in a constituency 60% voted. Find the percentage of voters who did not vote and also find how many actually did not vote?
- 5 A school team won 7 games this year against 4 games won last year. What is the percent increased.
- 6 A shopkeeper bought a chair for Rs. 375 and sold it for Rs. 400 find the Gain (profit) percent.

QIV Long Answer questions.

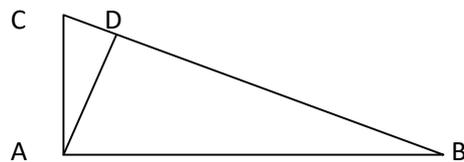
(4 X2=8)

- 1 Find the amount to be paid in end of 3 years in each cases-
 - a) P = Rs. 12000 R = 12% at p.a.
 - b) P = Rs. 7500 R = 5% at p.a.
- 2 Find area of triangle ABC and Length of AD in both cases (triangles)



AB = 7.5cm CA = 7.5cm BC = 9cm $\angle A = 90^\circ$

(ii)



AB = 12 cm AC = 5cm BC = 13cm $\angle A = 90^\circ$