

ANNUAL EXAMINATION – 2012-2013

Class – V

SUBJECT – Mathematics

Time – 2 Hrs.

M.M. – 80

NAME: _____ SEC.: _____ ROLL NO.: _____

Answer to this paper must be written on the same sheet.

You will not be allowed to write during the first 15 minutes.

This time has to be spent in reading the question paper.

The time given at the head of this paper is the time allowed for writing the answers.

The intended Marks for question or parts of questions are given in the brackets [].

Mathematical tables are provided.

Section – A (40 Marks)

Answer all the questions

Question 1

- a) Write the following as a percent - [3]

i) $\frac{21}{100} =$ _____

ii) $\frac{52}{100} =$ _____

iii) $\frac{81}{100} =$ _____

- b) Fill in the blanks - [3]

i) The sum of the three angles of a triangle _____.

ii) A triangle is called acute angled triangle if all of its angles are _____.

iii) If two sides of a triangle are equal then the triangle is called an _____.

- c) Find the profit or loss when - [4]

i) CP = Rs. 350, SP = 392

ii) CP = Rs. 940, SP = Rs. 1128

Question 2

- a) Convert each of the following percent into decimals - [3]

i) 21% = _____

ii) 35% = _____

iii) 85% = _____

- b) Find the third angle of the triangle if its two angles are given below - [4]

i) $40^\circ, 80^\circ$

- c) By selling a cycle for Rs. 1680, a shopkeepers made a profit of Rs. 240. Find the cost price of the cycle. [3]

Question 4

- a) Convert the following decimals into percent - [4]

i) 0.02

ii) 0.21

- b) Classify the following angles as acute, obtuse and reflex angles- [3]
 42° , 92° , 205° , 79° , 352° , 179°

- c) Answer Yes or No - [3]

i) Can a triangle have two right angles? _____

ii) Can a triangle have two obtuse angles? _____

Section – B (40 Marks)

Answer any four sets of question out of five

Question 5

- a) Construct a square PQRS each that RQ = 4.4 cm. [3]

- c) Multiply: [3]
- i) 5 Km 126 m by 7 ii) 12 Kg 306 g by 3

Question 7

- a) In a class 95% of the students are present and 2 students are absent. What is the strength of the class? [4]

- b) Write the following as a percent of a kilogram - [3]

i) 75 g

ii) 200 g

- c) Draw a line segment $AB = 5$ cm. Mark a point C on it. Draw a line segment CD perpendicular to AB using protractor. [3]

Question 8

- a) A shopkeeper bought a radio set for Rs. 1800. He sold it at a profit of 20% . Find his profit. [4]

- b) Find the no. whose - [3]

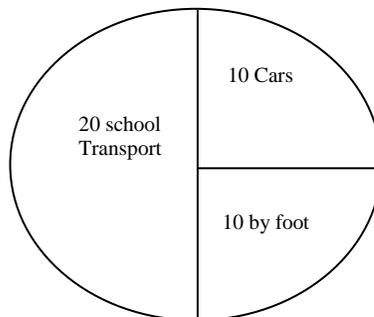
i) 12% is 18

ii) 1% is 3

- c) Construct a triangle whose sides are $AB = 5.4$ cm, $BC = 3.6$ cm and $AC = 5$ cm. [3]

Question 9

- a) The number of students in a class who come to school by car, school transport and by foot is shown by the pie graph. Study it and answer the following questions - [4]



- i) How many students are there in the class? _____
- ii) What percent of students come by car? _____
- iii) What mode of transport is used by maximum number of students? _____
- iv) What percent of students come by car and school transport? _____

- b) Construct a rectangle ABCD such that $AB = 6$ cm, $CD = 4$ cm. [3]

- c) How many cubic centimetres are there in 8 cubic metre? [3]

Question 10

- a) Convert: [3]

- i) 25 Kg into g

- ii) 7 hg into g

- iii) 9 g into cg

- b) A ring was bought for Rs. 1000 and sold at a gains of 20%. Find the gains and the SP. [4]

c) Find the volume of the cube whose edge is - [3]

i) 8 cm.

ii) 10 cm

Question 11

a) Draw an angle EDF measuring 70° with the help of protractor, bisect the angle by using the ruler and compasses. [3]

b) Add: [4]

i) 8 Km 45 m and 12 Km 963 m

ii) 44 m 26 mm, 38 m 703 mm and 12 m 452 mm

c) 6 Kg 625 g of grain is given to a horse each day what quantity of grain is required for 5 days? [3]

