

ATOMIC ENERGY EDUCATION SOCIETY

ANNUAL EXAMINATION – 2018-19

Class : V

Time : 3hrs

Subject : Mathematics

Marks :80marks

To be filled by the student

Student's Name : _____

Name of the School : _____

Class / Sec : _____ **Roll No. :** _____

Date of Examination : _____

To be filled by the teacher

Invigilator's Sign : _____

Examiner's Sign : _____

Marks Obtained : _____

Checker's Sign : _____

General Instructions:

1. All questions are compulsory.
2. The question paper is divided into 4 sections A, B, C and D.
3. Each section carries 20 marks. Each section consists of Very Short Answer Questions (Each one carries 1 mark), Short Answer Questions (Each one carries 2 marks) and Long Answer Questions (Each one carries 4 marks).

Knowledge (20Marks)

A. Choose the correct answer and fill in the blanks. (6 X 1= 6 Marks)

- i) 5 kg and 500 g = _____
a) 5500 kg b) 55.50 kg c) 5.5 kg
- ii) $0.7 \times 3 =$ _____
a) 2.1 b) 0.21 c) 21
- iii) The area of a rectangle of length 90cm and breadth 50cm is _____
a) 450sq.cm b) 45sq.cm c) 4500sq.cm
- iv) If we make different shapes of same perimeter, then _____ shape will have biggest area.
a) circle b) square c) rectangle
- v) We use _____ to record data of variety of things with larger number.
a) pictures b) tally marks c) numbers
- vi) $3456 \times$ _____ $= 3456000$
a) 100 b) 10 c) 1000

B. Do as directed. (5x2= 10 Marks)

- i) Convert the following.
- a) 4 rupees 3paise = _____ paise b) 2m 87cm = _____ m
- c) 7 lit 45ml = _____ lit d) 6km 500m = _____m

ii) The distance between New Delhi and Chandigarh is 250 km. It is shown as 2.5 cm on the map. What is the scale used on the map?

iii) Draw a deep drawing of a cube.

iv) What should we look for to check if 100 rupee note is real or fake?

v) A gardener bought 456 mango trees. He wants to plant 15 trees in each row. How many rows can he plant? How many trees would be left over?

C) Solve the following-

(4 Marks)

The side of a square A is 4 cm. The side of another square B is double the side of square A. Find the area of square A and square B. How many times the area of square B is bigger than the area of square A?

Understanding (20Marks)

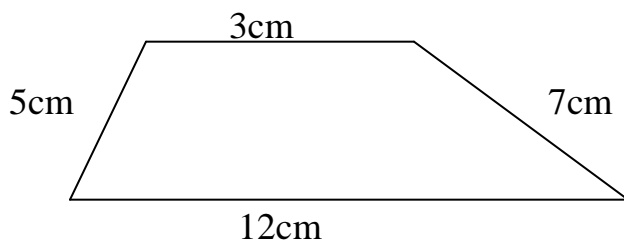
A. Choose the correct answer and fill in the blanks.

(6 X 1= 6 Marks)

i) There were 10 rabbits in the beginning. They grow 10 times every year. The number of rabbits in the second year would be _____

- a) 20 b) 100 c) 200 d) 1000

ii) The perimeter of the following shape is _____



- a) 27cm b) 42cm c) 270cm d) 42sq.cm

iii) The volume of a cube of 2cm edges is _____

- a) 6cu.cm b) 8cu.cm c) 8cm d) 6sq.cm

iv) _____ part of a rupee is 1 paisa.

- a) $\frac{1}{10}$ b) $\frac{1}{100}$ c) $\frac{2}{5}$ d) $\frac{1}{2}$

v) The area of a square of side 12 cm is _____

- a) 144 sq.cm b) 24cu.cm c) 48cm d) 6sq.cm

vi) The water level in a measuring bottle is upto 30ml mark. When a 5-rupee coin is dropped in it, the water level reached upto 33ml mark. Then the volume of the coin is _____.

- a) 33ml b) 30ml c) 3ml d) 3.3ml

B. Do as directed.

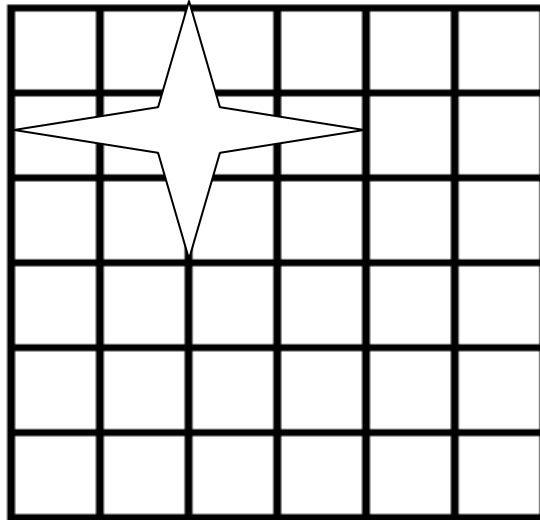
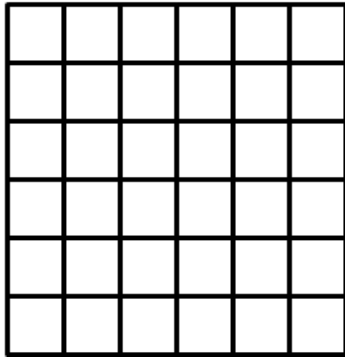
(5x 2= 10 Marks)

i) A farmer sells one litre of milk for Rs.24. In a month he sells 240 liters of milk. How much does he earn in a month?

ii) The weight of a 5 rupee coin is 9 g. How many coins are there in a sack of 5 rupee coins if it weighs 36 kg?

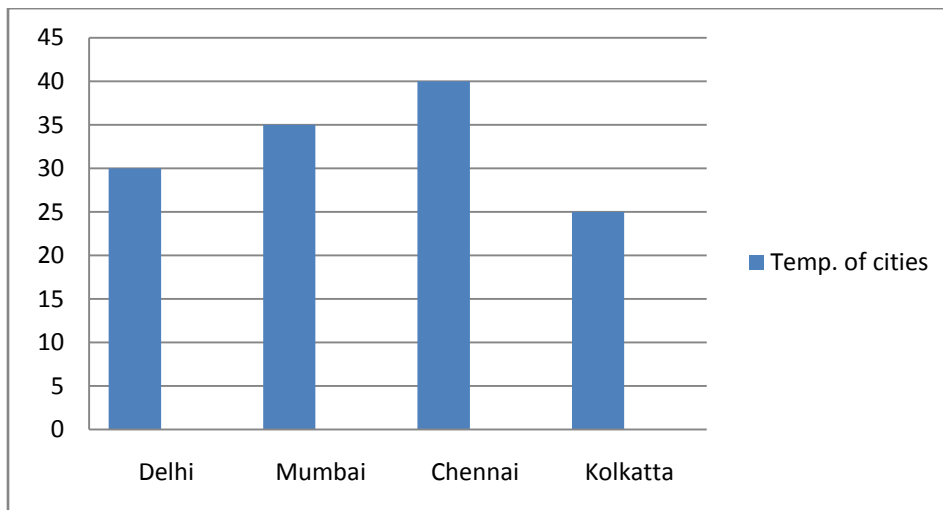
iii) A car mechanic earns Rs 875 every day. How much will he earn in a year?

iv) Star is drawn on 2cm grid. Draw the same figure on $\frac{1}{2}$ cm grid.



v) The given bar chart shows the highest temperature of a day in four cities. Answer the following using the bar chart.

- a) The temperature of Delhi is _____ °c less than the temperature of Chennai.
- b) The temperature of _____ is less than the temperature of Delhi.



C) Solve the following-

i) Shyam plans to tile his kitchen floor with square tiles. Each side of the tile is 9 cm. His kitchen is 810 cm long and 630 cm wide. How many tiles will he need?

(2 Marks)

Tiles along the length = _____

Tiles along the width = _____

Total No. of tiles = _____ X _____

= _____

ii) Gurmeet Kaur had 108 toffees. On her birthday she distributed toffees equally among her 15 friends. She ate remaining toffees . How many toffees did each of her friends get ? How many toffees did Gurmeet eat? **(2 Marks)**

Ability to Compute (20Marks)

A. Fill in the blanks.

(4 Marks)

i) $\frac{1}{10}$ a rupee = _____ paise.

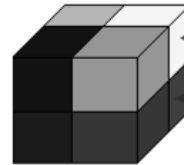
- a) 10 b) 40 c) 20 d) 100

ii) Area of a rectangle is 56sq.m,if its length is 8m then breadth is _____cm

- a) 60cm b) 400 cm c) 80 cm d) 700 cm.

iii) This model needs _____ cubes to make.

- a) 6 b) 8 c) 20 d) 10



iv) Ratiram is a milkseller. He sells 25litre of milk everyday at Rs. 40 per litre. So he earns _____ rupees in a day.

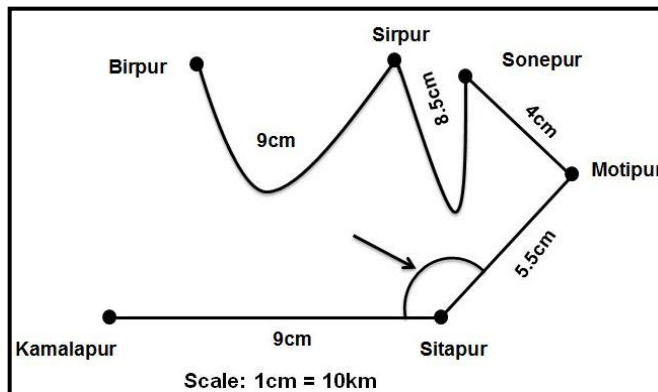
- a) 600 b) 800 c) 2000 d) 1000

B. Do as directed.

(6 X 2= 12 Marks)

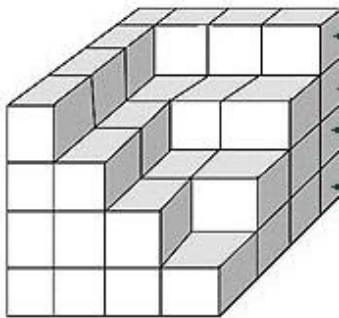
i) One pastry weighs 225g. What is the weight of 8 pastries in kg?

ii) Look at the map and answer the following questions.



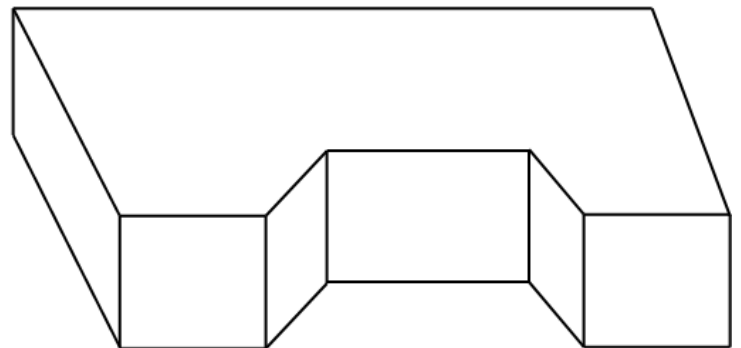
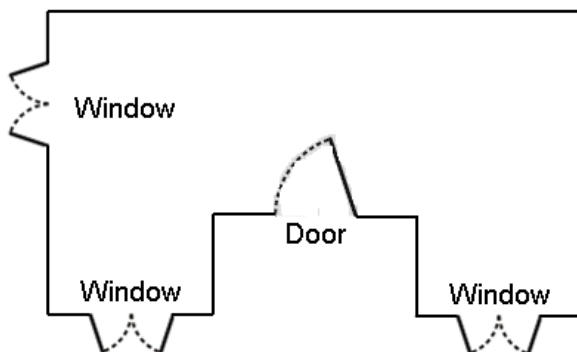
Raj starts travelling from Motipur. How many kilometres should he travel to reach Birpur?

iii) How many cubes will be needed to make this model?



iv) Ram drinks 9 glasses of water every day.
How many glasses of water will he drink in a week?
How many glasses of water will he drink in the month of March?

v) Look at this floor map of a house. Make doors and windows on the deep drawing of this house.



vi) Jaya has a rectangular lawn. The length of the lawn is twice the breadth of the lawn. If the breadth of the lawn is 6 m, what is its area?

C) Solve the following.

(4 Marks)

A shoebox is 30 cm long, 20 cm wide and 10 cm high. How many such boxes can be packed in a carton of size 1.5 m long, 1 m wide and 1 m deep?

Problem solving (20 Marks)

A. Fill in the blanks.

(4 Marks)

i) The fencing of a square garden is 40m in length .The length of one side of the garden is _____.

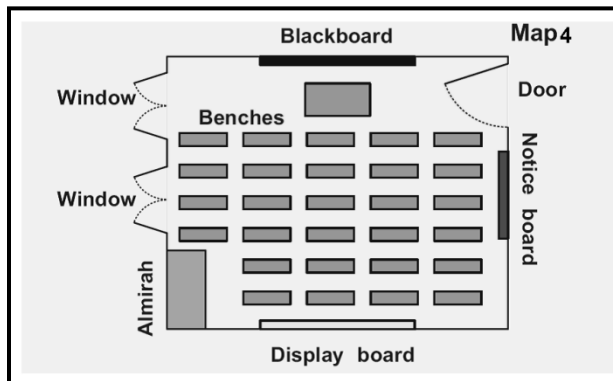
(5 , 20 , 4, 10)

ii)The area of a square is equal to the area of a rectangle of $l= 8$ cm and $b = 2$ cm. The side of the square is _____

(6 cm, 4 cm 8 cm 3 cm.)

iii) If the display board is kept at the south side of the classroom. The notice board is at the _____ side of classroom.

(East , West , North , South)



iv) If 100 one rupee coins weigh 485 g then 1000 coins weigh will be _____ kg .

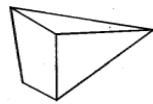
(48.50 kg , 4.850kg, 4850kg. 0.4850kg)

B. Do as directed.

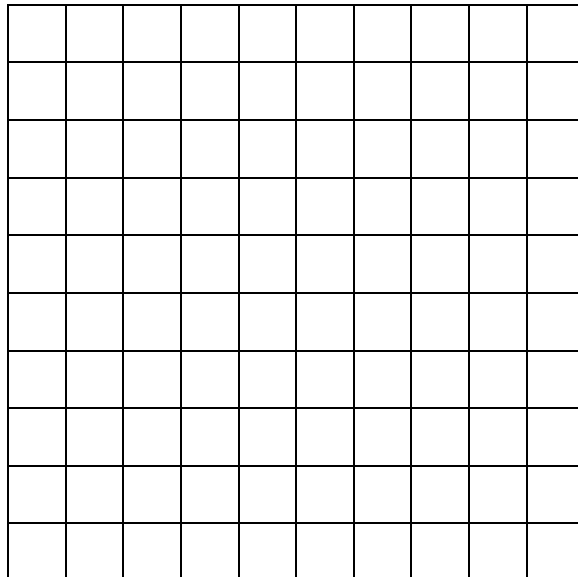
(6 X 2 = 12 Marks)

i) Farooq's father is working in Dubai. He had sent 100 Dinars to Farooq as a birthday gift. Farooq bought a new dress for him for Rs1500. How much money was left with him?

ii) Draw the net of the following solids.



iii) Make a nice diagram on given grid by colour its 0.08 by blue, 0.2 by red, 0.05 by yellow and 0.1 by green.




iv) The students of class XII are going on a trek. They dry the onions and tomatoes to make them light. One kg of tomatoes becomes 100 g when the water inside dries up. If each student needs 10 g of tomatoes a day, how many fresh tomatoes should be dried for 8 days for 10 students?

v) A field needs 100m of wire for fencing. The length of field is 30m. What is the area of the field?






vi) Shyamli bought a battery. She read on it “Life1800hours”. She uses it throughout the day and night. How many days will the battery run?

C) Solve the following.

(4 Marks)

Virat, Pujara, Rishabh, Bumra and Hardik went on a fishing trip. The chart given below shows how many fish each caught. Study the chart and answer the following questions. Each  = 10 fish

Number of fish caught

| | |
|---------|--|
| Virat |  |
| Pujara |  |
| Rishabh |  |
| Bumra |  |
| Hardik |  |

i) How many fish did Virat catch?

Sol: _____

ii) Who caught more number of fish?

Sol: _____

iii) How many more fish did Bumra catch than Hardik?

Sol: _____

iv) How many fish did they catch altogether?

Sol: _____
