

## Final Term Examination 2017-2018

Std. : V  
Subject : Maths

Full Marks : 80  
Time : 2hrs.+15mins.

### QI. Mental Maths :

[10]

- (a)  $0.008 \times 100 =$  \_\_\_\_\_
- (b)  $2.54$  \_\_\_\_\_  $25.4$  (Put  $>$  ,  $<$ )
- (c) Area of a rectangle = \_\_\_\_\_ x breadth.
- (d) Percent means per \_\_\_\_\_
- (e)  $(0.2)^2 - 0.01 =$  \_\_\_\_\_
- (f)  $148926 \times 4 \times 25 =$  \_\_\_\_\_
- (g) Amount = \_\_\_\_\_ + simple Interest
- (h)  $\frac{30}{100} =$  \_\_\_\_\_ %
- (i)  $0.098 \div 10 =$  \_\_\_\_\_
- (j)  $0.8 \times 0.8 \times 0.1 =$  \_\_\_\_\_

### QII. Choose the correct option :

[10]

- (a) 40% of 600 is \_\_\_\_\_ (24/240)
- (b)  $0.0009 + 0.0001$  is \_\_\_\_\_ (0.0010 / 0.01)
- (c) Per annum means \_\_\_\_\_ (per month / per year)
- (d) Angles are measured in \_\_\_\_\_ (degrees / length)
- (e) Amount on which simple. Interest is calculated is called \_\_\_\_\_ (Rate / Principal)
- (f) When  $90^\circ$  is bisected, we get \_\_\_\_\_ ( $30^\circ/45^\circ$ )
- (g) In order to change time in months into years, we \_\_\_\_\_ (divide by 12/multiply by 12)
- (h) The sum of all sides is called \_\_\_\_\_ (Area / Perimeter)
- (i) A straight angle is equal to \_\_\_\_\_ ( $60^\circ/180^\circ$ )
- (j) Area of a room is measured in \_\_\_\_\_ ( $m^2$  /  $cm^2$ )

### QIII. Solve the following :

[20]

- (a) Simplify :  $4.9863 + 12.78 - 0.45$
- (b)  $37\frac{1}{2}\%$  of 140 Kg
- (c) Express 10 litres as a percentage of 200 litres.

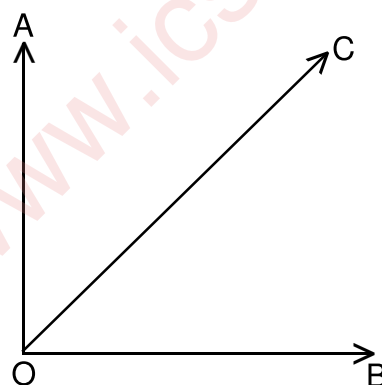
- (d) Find the amount if Principal is ₹ 3800 and Interest ₹ 400.
- (e) Find the area of a square whose side is 15 cm.
- (f) Express 348.6985 into expanded form (decimal form)
- (g) Divide : 25.948 by 0.2
- (h) Convert  $\frac{3}{4}$  into percentage.
- (i) Multiply 49.95 by 15
- (j) Express 9.243 into percentage.

#### QIV. Geometry

- (a) Draw an angle of  $120^\circ$  using a compass and a ruler. [3]
- (b) Draw an angle of  $60^\circ$  and bisect it. using a compass and a ruler. [3]

(c) **Answer the following questions.** [5]

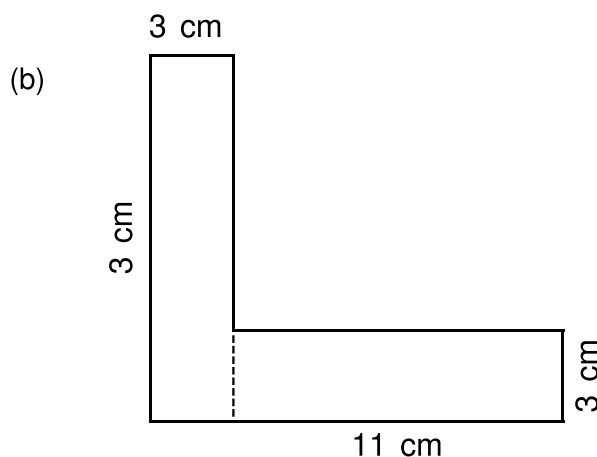
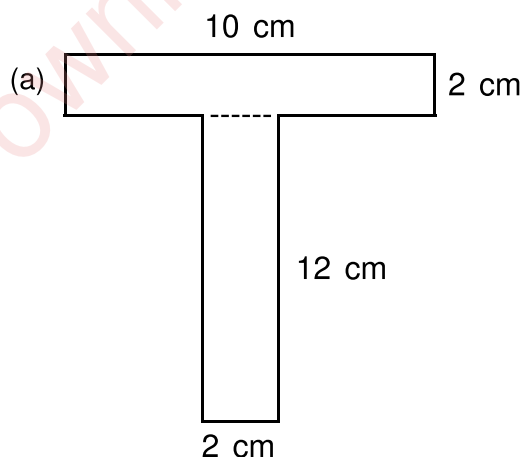
- (i) Name the vertex.
- (ii) Name the rays.
- (iii) Name the type of angle AOB.
- (iv) Which type of angle is  $\angle COB$  ?
- (v) Is  $\angle AOC = \angle COB$ .



(d) **Fill in the blanks :** [4]

- (i) An angle more than  $180^\circ$  and less than  $360^\circ$  is called an \_\_\_\_\_ angle.
- (ii) The common starting point of an angle is called the \_\_\_\_\_ of the angle.
- (iii) Right angle is equal to \_\_\_\_\_ .
- (iv) A triangle has \_\_\_\_\_ sides.

#### QV. Find the area of the following figures. [5]



**QVI. Word Problems.****[16]**

- (a) In a class of 60 students, 15% wear spectacles. How many of them wear spectacles and how many students do not wear ?
- (b) A man deposited ₹ 80,000 in a bank who gave 8% Interest p.a. How much money will he get back after  $2\frac{1}{2}$  years ?
- (c) A rectangular garden is 30 m long and 20 m wide. What is the cost of fencing it at the rate of ₹ 4 per metre ?
- (d) Mr. Rao bought a refrigerator for ₹ 10,450, a steel almirah for ₹ 755.25 and a TV for ₹ 5850.65. How much money did he spend in all ?

**QVII. Logical question.****[4]**

If

$$= ₹ 60$$

$$= ₹ 30$$

$$= ₹ 3$$

$$= ?$$