

# ANNUAL EXAMINATIONS

## Mathematics

MARKS

100

Class : V

Time : 2½ Hours

Syllabus

Chapters : 1 to 16

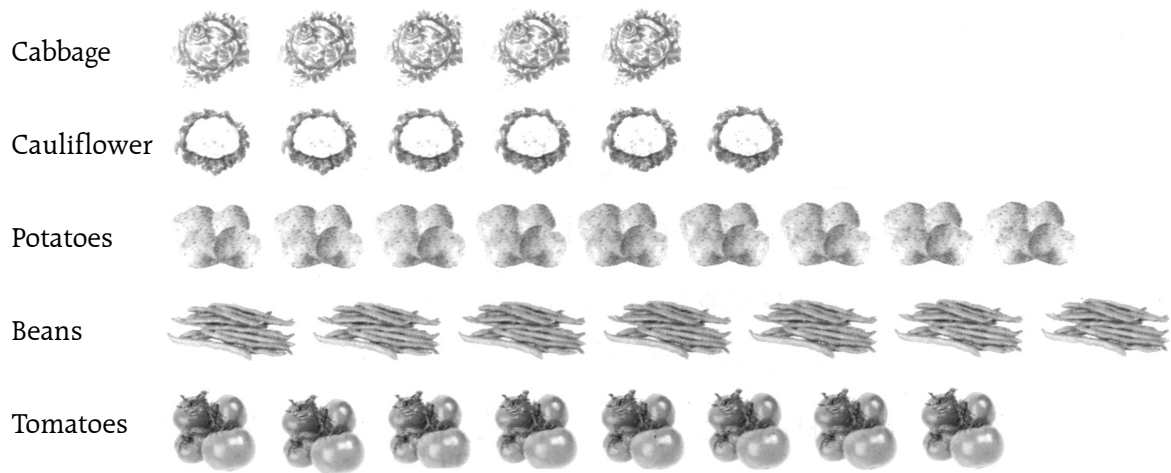
School Stamp

I. Answer any TWELVE of the following questions.

(12 × 5 = 60)

1. The L.C.M. of 2 numbers is 225 and their H.C.F. is 15. If one of the numbers is 45, what is the other number ?
2. Simplify the following.
  - i)  $\frac{3}{1} + \frac{7}{2} + \frac{4}{3}$
  - ii)  $\frac{2}{3} + \frac{5}{6} - \frac{8}{9}$
3. A book contains 640 pages. A boy read  $\frac{5}{16}$  of it on the first day and  $\frac{3}{8}$  on the second day. How many pages of the book has he to read still ?
4. Find the perimeter of a rectangular garden of sides 80 m and 45 m. What is the cost of laying a mesh around it at Rs. 60 per metre ?
5. Some students were on an educational tour from 23rd December. If they were on tour for 12 days, on what date did they return from the tour ?
6. Arun purchased a motorcycle for Rs. 37,800 and after 4 months sold it away at a gain of Rs. 3,200. At what price did he sell the motorcycle ?
7. A milk booth supplied 25 l 500 ml of milk in the morning and 17 l 750ml in the evening to a marriage party. Find the total quantity of milk supplied to the marriage party.
8. Find the difference of 15 km 4 hm 6 dam 2 m and 9 km 5 hm 3 dam 7 m.
9. a) Write Roman numerals for i) 65 and ii) 93.  
b) Rewrite 169075, 1334114, 102365, 612345, 186313 in the descending order.
10. a) Write the 3 equivalent decimals for i) 4.9 and ii) 0.8.  
b) Express i) 33% and ii) 65% as a fraction with 100 as denominator.
11. In  $\Delta PQR$ ,  $\angle P = 60^\circ$  and  $\angle R = 80^\circ$ . What is the measure of  $\angle Q$  ?
12. a) Convert  $77^\circ F$  into Celsius degrees.  
b) Convert  $90^\circ C$  into Fahrenheit degrees.

13. The area of rectangle is  $2352 \text{ cm}^2$  and its length is  $56 \text{ cm}$ . Find its breadth and perimeter.
14. A,B,C and D are four places on a straight road. The distance between A and B is  $2.75 \text{ km}$ , between B and C is  $4.2225 \text{ km}$  and between C and D is  $3.5 \text{ km}$ . What is the distance between A and D ?
15. A wholesale vegetable dealer supplied the following kinds of vegetables to a college hostel during a week. The data is shown in the following pictograph.  
(Each picture symbol stands for  $5 \text{ kg}$  of vegetables of each kind).



Questions :

- What is the total quantity of vegetables supplied ?
- Which vegetable is supplied to the maximum ?
- What is the difference between the masses of cabbage and cauliflower ?
- How many kgs of tomatoes are supplied ?
- What is the mass of each kind of vegetable other than tomatoes ?

**II. Answer any ONE of the following questions.**

( $1 \times 5 = 5$ )

- Draw an angle whose measure is  $140^\circ$ .
- Draw a circle of radius  $6 \text{ cm}$  and draw its diameter.

**III. Choose the correct answer and write its letter in each bracket.**

( $10 \times 1 = 10$ )

- The number of factors of a prime number is ( )  
 a) 3                                      b) 2                                      c) 1
- Hindu-Arabic number equal to XXXVI is ( )  
 a) 26                                      b) 34                                      c) 36
- Perimeter of a square whose side is  $4 \text{ cm}$  is ( )  
 a)  $16 \text{ cm}$                               b)  $13 \text{ cm}$                               c)  $5 \text{ cm}$
- L.C.M. of  $8$  and  $12$  is ( )  
 a) 26                                      b) 24                                      c) 28
- The difference between  $329.56$  and  $400$  is ( )  
 a)  $-70.44$                               b)  $70.44$                               c)  $26.44$

6.  $\frac{6}{5} + \frac{10}{20} =$  ( )

- a)  $\frac{34}{20}$                                       b)  $\frac{24}{20}$                                       c)  $\frac{16}{25}$

7.  $\frac{6}{8} = \frac{28}{?}$  the number in the place of ? ( )

- a) 64    b) 32    c) 8

8. 1 Rupee = \_\_\_\_\_ paise. ( )

- a) 10    b) 1000    c) 100

9.  $1.596 \times 1000 =$  ( )

- a) 1596    b) 15.96    c) 159.6

10.  $9\frac{3}{8} + 3\frac{3}{4} =$  ( )

- a)  $\frac{105}{8}$     b)  $\frac{96}{32}$     c)  $\frac{16}{14}$

**IV. Fill in the blanks.**

**(10 × 1 = 10)**

- The improper fraction of  $1\frac{3}{5}$  is \_\_\_\_\_
- The perimeter of a square of side 10 cm = \_\_\_\_\_
- The place value of 9 in 27914 = \_\_\_\_\_
- 12:20 afternoon using a.m. or p.m. ? \_\_\_\_\_
- The longest chord of a circle is its \_\_\_\_\_
- $32.4 \div 100 =$  \_\_\_\_\_
- $0.027 \times 1000 =$  \_\_\_\_\_
- The largest of 62275, 62572 and 62257 is \_\_\_\_\_
- The first two common multiples of 4 and 6 are \_\_\_\_\_
- According to Celsius scale water freezes at \_\_\_\_\_

**V. Answer the following.**

**(10 × 1 = 10)**

- A student pays Rs.  $37\frac{1}{2}$  for 5 ball pens of the same kind. What is the cost of each pen ?

Sol.

2. There are 25 red chairs, 43 blue chairs and 32 white chairs in a hall. What is the percentage of each kind of chairs ?

Sol.

3. A wooden block is 12 cm long, 7.5 cm wide and 4.5 cm thick. What is the volume of wood in it ?

Sol.

4. Find the difference between 3,43,576 and 2,98,457.

Ans.

5. Simplify :  $\frac{5}{8} - \frac{9}{16} + \frac{3}{4}$

Sol.

6. Find the H.C.F. of 1625, 1875, 2275 using division method.

Sol.

7. What is a prime number ? Give 2 examples.

Sol.

8. Draw the following.

- i) 2 slant lines                      ii) 2 curved lines

Sol.

9. Find  $\frac{1}{5}$  of 30.

Sol.

10. Write the expanded form of 8,09,80,908.

Sol.

**VI. Match the following.**

(5 × 1 = 5)

(A)

(B)

- |   |         |                   |
|---|---------|-------------------|
| 1. L.C.M. of 12 and 9 is                | (     ) | a) $\frac{1}{2}$  |
| 2. $\frac{3}{10} + \frac{1}{5}$         | (     ) | b) 27.858 l       |
| 3. 16.02 – 0.625 =                      | (     ) | c) $\frac{15}{2}$ |
| 4. $3\frac{1}{8} \times 2\frac{2}{5} =$ | (     ) | d) 36             |
| 5. 8.6 l + 7.25 l + 12.008 l =          | (     ) | e) 15.395         |