

ANNUAL EXAMINATIONS

Mathematics

MARKS 100

Class : V

Time : 2½ Hours

Syllabus

Chapters : 1 to 16

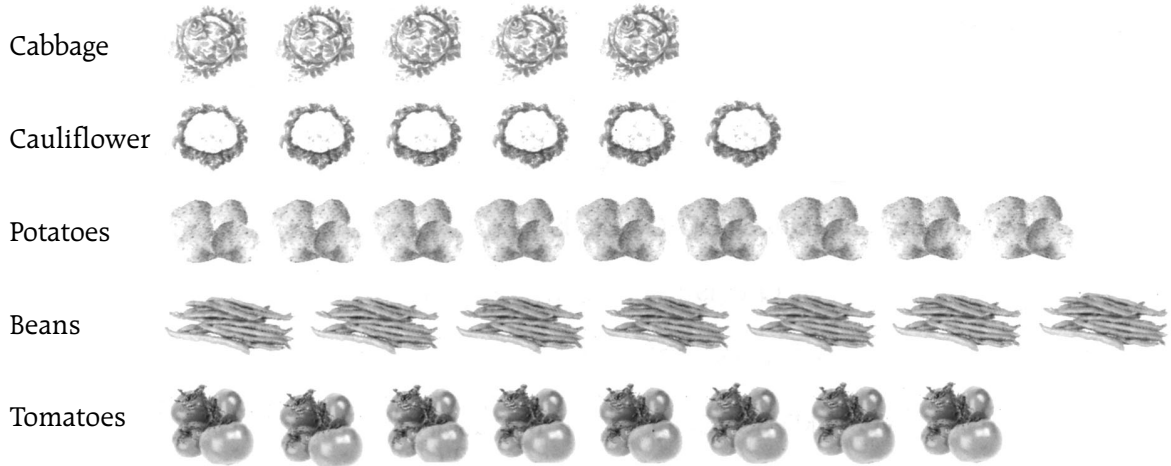
School Stamp

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) $\frac{3}{11} + \frac{7}{22} + \frac{4}{33}$
 - 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 /500 m/ of milk in the morning and 17 /750m/ 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 ΔPQR , $\angle P = 60^\circ$ and $\angle R = 80^\circ$. What is the measure of $\angle Q$?
12. a) Convert 77°F into Celsius degrees.
b) Convert 90°C into Fahrenheit degrees.

13. The area of rectangle is 2352 cm^2 and its length is 56 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 km, between B and C is 4.2225 km and between C and D is 3.5 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 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° .
- Draw a circle of radius 6 cm and draw its diameter.

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

($10 \times 1 = 10$)

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

1. The improper fraction of $1\frac{3}{5}$ is _____
2. The perimeter of a square of side 10 cm = _____
3. The place value of 9 in 27914 = _____
4. 12:20 afternoon using a.m. or p.m. ? _____
5. The longest chord of a circle is its _____
6. $32.4 \div 100 =$ _____
7. $0.027 \times 1000 =$ _____
8. The largest of 62275, 62572 and 62257 is _____
9. The first two common multiples of 4 and 6 are _____
10. According to Celsius scale water freezes at _____

V. Answer the following.

(10 × 1 = 10)

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

Ans.

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 ?

Ans.

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 ?

Ans.

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

Ans.

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

Ans.

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

Ans.

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

Ans.

8. Draw the following.

- i) 2 slant lines ii) 2 curved lines

Ans.

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

Ans.

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

Ans.

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 / |
| 3. $16.02 - 0.625 =$ | () | c) $\frac{15}{2}$ |
| 4. $3\frac{1}{8} \times 2\frac{2}{5} =$ | () | d) 36 |
| 5. $8.6 / + 7.25 / + 12.008 / =$ | () | e) 15.395 |

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