

**GANIT PRABHUTWA EXAMINATION**

Date : 10-12-2017

Std - V

Total Marks : 100

Time : 3 Hours

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**N.B. For Q. No. 2 to 7 proper procedure and explanation is necessary.**

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**Q. 1 A) Fill in the blanks with proper words and rewrite the statements in your answer paper. 10**

- 1) If the G.C.D. of two numbers is one, then their L.C.M. is equal to .....
- 2) Roman number CCLX can be expressed using international numerals as .....
- 3) The sum of two odd numbers is always ..... number.
- 4) If the diameter of a circle is 16 cm then the length of its longest chord is .....
- 5) February 2018 will have ..... days.
- 6)  $150 = \dots \times 16 + \dots$
- 7)  $598 \times 199 + 598 = \dots$
- 8) If the lengths of all sides of a triangle are different then the triangle is a ..... triangle.
- 9) If the diagonals of a quadrilateral are not congruent but perpendicular bisectors of each other then the quadrilateral is a .....
- 10)  $\frac{83}{15} = 5 \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

**B) Write only answers. 10**

- 1) What is the perimeter of a square whose area is 25 sq.mm ?
- 2) How many hectoliter equal 89000 deciliter ?
- 3) Megha got 246 marks out of 300. What is the percentage of her marks?
- 4) Convert the fraction  $15\frac{4}{7}$  into improper fraction.
- 5) Write all the divisors of 54.

**Q. 2) Solve the following.**

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- 1) If four dozen mangoes costs Rs. 2200, then find the cost of 18 mangoes.
- 2) Simplify and write the answer in Roman numerals : [XII + II]
- 3) Write the five digit smallest even number using digits 9,5,7,0,2 ; each only once.
- 4) Convert into recurring decimal fraction :  $\frac{7}{15}$
- 5) Write in words : 39,43,52,105.

**Q. 3) Solve the following.**

- 1) Simplify  $10.967 + 95.44 - 68.51$  2
- 2) Out of 42,000 glass jars; 2 % jars were broken in transportation. How many jars were broken ? 2
- 3) Find the equivalent fraction of  $\frac{4}{9}$  having numerator 20. 2
- 4) Find the L.C.M. of 200, 225, 150. 4

**Q. 4) Solve the following.**

- 1) How much period is required to fetch an interest of Rs. 1800 at 8 p.c.p.a. on a principal of Rs. 5000? 3
- 2) Vijay types 45 words/min. How much time will he require to type 15 pages if there are 27 lines in each page and 14 words in each line ? 3
- 3) Using instruments in a compass box, draw a square of 4 cm side. In the exterior part of the square, draw a rectangle of 6 cm length and a side of the square as its breadth. Find the area of the rectangle formed by the two rectangles together. 4

**Q. 5) Solve the following.**

- 1) How much time should be subtracted from 15 hrs 18 min. 13 sec. to get 2 hrs. 22 min. 35 sec. ? 3
- 2) Simplify :  $(8.33 - 2.08) + (1.47 + 1.03)$  3
- 3) Aminabhai bought a heap of guavas from wholesale market. She sold  $\frac{2}{5}$  th of them on the same day, and  $\frac{7}{16}$  th on the following day and found that 39 guavas were yet to be sold. How many guavas had she bought ? 4

**Q. 6) Solve the following.**

- 1) 100 note-books and 140 books are to be distributed among students, in such a way that each gets the same number of note-books and the same number of books. Find, to how many maximum students can these be distributed ?
- 2) Shankarrao kept a deposit of Rs. 10,000 in a credit society. How much amount will he receive after 3 years at 11 p.c.p.a ?
- 3) Simplify  $1\frac{17}{28} \times 2\frac{1}{10}$
- 4) The population of a city is 17,89,957. Out of which 5,97,321 are men and 6,42,448 are women. Find the number of children.
- 5) Draw a circle of radius 3.5 cm. Draw a chord AB and diameter AC of the circle. Draw seg BC. Write the type of the triangle ABC.

**Q. 7) Solve the following.**

- 1) The printed price of a machine was Rs. 4,50,000. The shop-keeper sold it at 8% discount. Find the price the customer paid for the machine. Though the shop-keeper had given discount, he gained 25% profit. What was the cost price of the machine for the shopkeeper ?
- 2) The length and the breadth of a rectangular garden is 1.6 km and 0.9 km respectively. A square shape garden is of the same area as that of the rectangular garden. Find the perimeter of the square shape garden in meters.
- 3) Draw a rhombus PQRS:  $l(QR) = 5.5$  cm,  $m\angle Q = 70^\circ$ . Draw diagonal QS. Measure  $\angle PQS$  and  $\angle RQS$  and write the measures.
- 4) Which digits should replace the symbols \* and # in the six-digit number 534\*4#, so that the number is divisible by 720 ?
- 5) When a number is divided by 36, the quotient and the remainder are 797 and 8 respectively. If the same number is divided by 72, what will be the quotient and the remainder ?

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