

**GANIT PRABHUTWA EXAMINATION**

Date : 09-12-2018

Std - V

Total Marks : 100

Time : 12 noon to 3 p.m.

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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 answers and rewrite the statements in your answer paper. 10**

- 1) The difference between the place values of the digits 9 and 2 in the number 49527 is .....
- 2) There were 16 rows of boys for mass drill each having equal number of boys. The middle boy in each row was fifteenth. So ..... boys were participating in the drill.
- 3) In the product  $4 \times 44 \times \dots\dots\dots 44,44,444$ , the digit in the units place will be .....
- 4) The number twice of 'IX' is written as ..... in Roman numerals.
- 5)  $\frac{2}{5}$  of a rupee is ..... paise.
- 6) Total number of days from 5<sup>th</sup> Feb 2016 to 5<sup>th</sup> March 2016 is .....
- 7) Yash's school starts at 9.00 a.m. and gets over at 15:30 hours. So Yash is in the school for ..... hours.
- 8) A train requires 8 hours to cover a distance of 408 km. Therefore the speed of the train is ..... km/h.
- 9) Amount of ₹ 100 in 1 year is ₹ 105. Therefore the amount after 2 years of the same principal will be ₹ .....
- 10) 0.64 is written as ..... as a common fraction.

**B) Write only answers.**

**10**

- 1) Write 1838 in Roman Numerals.
- 2)  $7019.6 - 835.44 = ?$
- 3) Find the price of 1 kg 800 gr. onions at the rate of ₹ 12 per kg.
- 4) The cost of 15 litres milk is ₹ 510. How much would 4 litres milk cost?
- 5) A farmer borrowed ₹ 1500 at 8 p.c.p.a. and returned ₹ 1860. Find for how many years he was using the money?



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

15

- a) Write the difference between the number 5834 and the number obtained by reversing its digits.
- b) Divide 81324 by 16 and write the answer in the form  
Dividend = Divisor  $\times$  Quotient + Remainder
- c) Write 8745 as a product of prime factors.
- d) If it is Tuesday on 26<sup>th</sup> January, on which date is the first Wednesday of the same month?
- e) A salesman got a commission of ₹ 9900 for selling goods worth ₹ 90,000. Find the percentage of commission he got.

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

15

- a) Hari worked in a company for 441 days. If he earned ₹ 100 per week, how much amount did he get at the end of work?
- b) A quire of paper sheets costs ₹ 18. Find the cost of 15 paper sheets. (24 paper sheets = 1 quire.)
- c) 8 men can complete a work in 27 days. How many days will be required to complete the same work if the number of men is made one and half times?
- d) The number 5★★9 consists of the same digits in the places of ★. The difference between the place values of those digits is 360. Find the digit.
- e) Simplify.  $216 - (24 - 6) + 2 \times (53 - 14 - 6)$

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

20

- a) Find the G.C.D. and L.C.M. of 65 and 90.
- b) Simplify:  $6\frac{2}{3} + 6\frac{2}{3} + 6\frac{2}{3}$
- c) There are 2 cans of milk containing  $7\frac{75}{100}$  and  $15\frac{50}{100}$  litre of milk respectively. If this milk is packed in a bag of 750 ml. each, how many bags will be required?
- d) A train running at a speed of 90 km/h. passes 25 poles per minute. Find the distance between two consecutive poles.

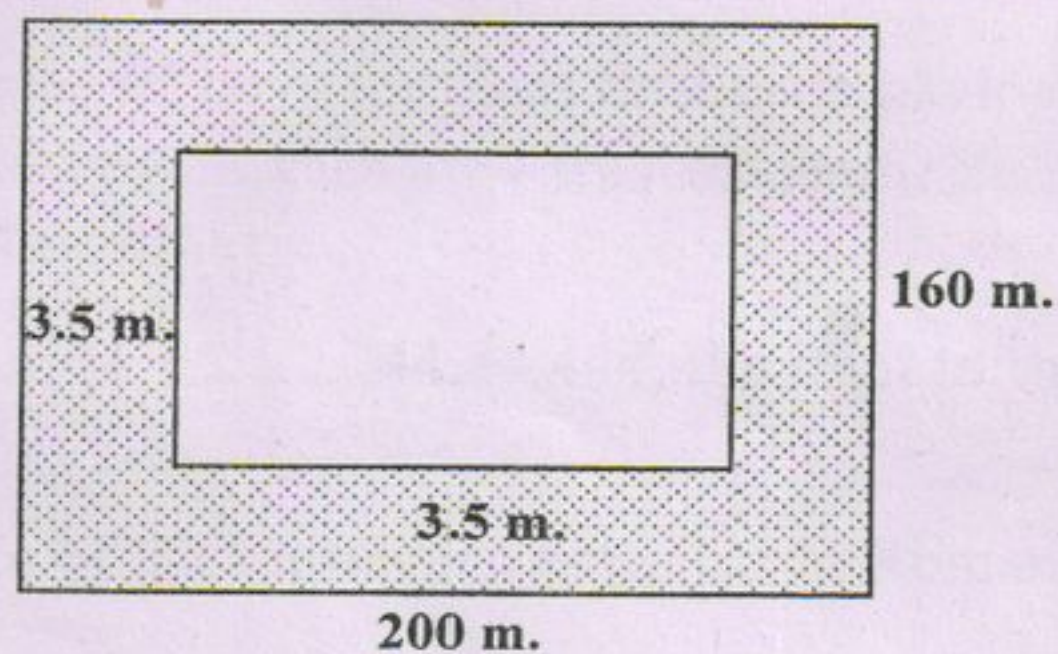


- e) A company sold some machines for ₹ 20,000. Cost price of machines was ₹ 18000. If each machine was sold for ₹ 800, then
- (1) How many machines were purchased?
  - (2) What was the cost price of each machine?
  - (3) What was the total profit?

**Q. 5) Solve :**

**20**

- a) Draw a triangle ABC such that  
 $\ell(AB) = 6 \text{ cm}$ ;  $\ell(BC) = 5 \text{ cm}$ ;  $\ell(AC) = 7 \text{ cm}$ . Measure  $\angle B$  and write it.
- b) Observe the figure given below and find the area of the shaded track.



- c) Selling price of an article is one and half times of its cost price. If the cost price of the article is ₹ 360, what is its selling price? Find the percentage of profit.
- d) Simplify
  - i)  $\frac{35}{18} \times \frac{27}{14} \times \frac{8}{15}$
  - ii)  $2\frac{23}{65} \div 1\frac{7}{78}$
- e) A scooter consumed 2.6 litres petrol to cover a distance of 115.7 km. How much distance did it cover per litre?

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

**10**

- a) Draw a circle of radius 2.5 cm. Draw its biggest chord. Name it as AB. Take any point M on the circle. Join AM and MB and measure  $\angle AMB$  and write it.
- b) The side of a square is 20 cm. If it is increased by 10%, what will be the increase in the area and perimeter of the new square?

