

Pune Jilha Ganit Adhyapak Mandal, Brihanmumbai Ganit Adhyapak Mandal and
Ganit Adhyayan Adhyapan Vikasan Sanstha, Nashik

GANIT PRABHUTWA EXAMINATION

Date : 11-12-2016

Std - V

Total Marks : 100

Time : 3 Hours

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

Q. 1) Write answer only.

10

- 1) Write in digits : Two crore seven thousand.
- 2) Write using Roman numerals : 839
- 3) Write the smallest and the largest fractions in the groups $\frac{15}{13}$, $\frac{10}{13}$, $\frac{14}{13}$, $\frac{12}{13}$, $\frac{18}{13}$
- 4) The diameter of a circle is 7.2 cm. What is its radius?
- 5) The length of a side of a square is 4.5 cm. Find its perimeter.
- 6) Write the product of the place value and the face value of the digit 5 in the number 95,48,670.
- 7) $4527 \times 3847 \times 0 + 5981 = ?$
- 8) Write the multiples of 24, between 50 and 105.
- 9) Write the fraction $\frac{45}{36}$ in the lowest form.
- 10) Convert the fraction $\frac{15}{4}$ into decimal form.

Q. 2) Solve the following.

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- a) Write all divisors of 81.
- b) Simplify : $\frac{7}{8} - \frac{1}{4}$
- c) Using each of the digits 0,1, 2, 3, only once, write all four-digit even numbers.
- d) Write in digits : 5 thousands + 2 hundreds + 21 tens + 7 units.
- e) Sameer got 275 marks out of 500. What was the percentage of his marks?

Q. 3) Solve the following.

- a) Work out the following addition by proper rearrangement of numbers :

3

$$1 + 2 + 3 + 4 + 1996 + 1997 + 1998 + 1999$$

- b) Which least number should be added to 124693 so that the sum will be divisible by 11? 3
- c) Simplify : $\frac{14}{9} + \frac{2}{3} - \frac{5}{6}$ 3
- d) The cost of a sack containing 50kg. wheat is ₹. 1125/- Find the cost of 20kg. of wheat. 3
- e) Factorize : 30030 3

Q. 4) Solve the following.

- a) Fill in the proper digits in place of * and rewrite the given sum. 3

$$\begin{array}{r}
 \text{*} \text{*} 9 \\
 2 \text{*} \overline{) 71 \text{*} 7} \\
 \underline{- 69} \\
 2 \text{*} \\
 \underline{- 00} \\
 2 \text{*} 7 \\
 \underline{- 207} \\
 000
 \end{array}$$

- b) Find the Sum : $75.003 + 0.5014 + 268.25$ 3
- c) Ramesh started to speak on a phone when the hour - hand of a clock was between 11 and 12 and the minute - hand marked 10. When he kept the phone, the hour - hand was between 12 and 1 and the minute- hand pointed 3. For how much time did he speak on the phone? 3
- d) There is a square ground of 75m side. Find the expenditure for its leveling, at the rate of ₹. 16 per sq.m. 3
- e) Insert brackets in the following expression at proper places so that its value is 49. 3

$$100 \times 5 - 24 + 35 \div 9$$

Q. 5) Solve the following.

- a) Haribhau bought a box containing 5 dozen mangoes from a wholesale market. He threw away $\frac{1}{20}$ th of them as they were spoiled, $\frac{5}{12}$ th of them were ripen which he kept aside to eat and kept the remaining mangoes in the box to get ripen. How many mangoes did he keep in the box? 4
- b) Each of 500 students in a school collected 1.5 kg. of wheat, 750 gm. of rice and a quarter kg. of potatoes to donate to famine affected people. Calculate the total weight of each commodity in quintals. 4

- c) Avinash borrowed an educational loan of ₹. 5 lakh at 4 p.c.p.a from a bank and went abroad to pursue his studies. He returned after three years and repaid the loan with interest. How much amount did he pay the bank? 4
- d) Draw a rectangle ABCD such that $l(AB) = 4.5$ cm, $l(BC) = 6$ cm, Draw its diagonal AC and measure its length. 4
- e) A motor-car travels at an average speed of 50 km/h. Answer the following questions : 4
- 1) How much distance will it cover in one and a half hour?
 - 2) How much time will it require to cover a distance of 225 km.?
 - 3) Due to traffic- jam, the car required 9 hours and 40 minutes to travel a distance of 400 km. How much more time, than expected, was required due to traffic jam ?

Q. 6) Solve the following.

- a) The numerators of three like fractions are 14, 10 and 9. Find their common denominator if their sum is 3. 4
- b) To cross a 1380 m. long bridge, I require 23 minutes. Find my walking speed in km. / hr. 4
- c) Namdeo bought 6 dozen apples at the rate of ₹. 25 per 5 apples. But he had to sell them at the rate of Rs. 20 per 5 apples. Find – 4
- 1) How much loss did he incur?
 - 2) What was the loss percentage?
- d) Draw a circle of any radius with centre M. Draw radius MN, Chord Rs and diameter XY of the circle. 4
- e) Arrange in ascending order : 4

$$0.24, \frac{5}{25}, \frac{7}{4}, 0.4$$

Q. 7) Solve the following.

- a) Complete the following multiplication by putting proper digits in place of boxes and write in the answer sheet. 5

$$\begin{array}{r}
 \square 28 \\
 \times 9\square \\
 \hline
 65\square \\
 +29\square 20 \\
 \hline
 \square\square\square\square 6
 \end{array}$$

- b) Priya and Poorva decided to save some amount daily and saved for nine days. Priya saved ₹. 5 on the first day and she increased her savings by ₹. 8 on each successive day. Poorva saved ₹. 1 on the first day and doubled her savings on each successive day. After 9 days who saved more and by how much? 5

