

राज्य स्तरीय प्रारंभिक शिक्षा परीक्षा
सत्र 2018-19
कक्षा - 6
विषय - गणित

समय - 02. 30 घंटे

पूर्णांक -100

अनुक्रमांक (अंकों में) (शब्दों में)

परीक्षार्थी का नाम शाला का नाम

हस्ताक्षर निरीक्षक हस्ताक्षर जाँचकर्ता

प्राप्तांक अंकों में प्राप्तांक शब्दों में

General Instructions:

1. All questions are compulsory.
2. Questions 1 has MCQ type questions .Each question carries 2 marks.
3. Questions 2 -7 are short answer type questions. Each question carries 4 marks.
4. Questions 8-12 are short answer type questions. Each question carries 6 marks.
5. Questions 13 & 14 are long answer type questions. Each question carries 8 marks.
6. Question 15 is a long answer question. This question carries 10 marks.

Roll No. Date of Examination

Examiner's signature Invigilator's signature.....

Q1. [A] Choose the correct answer for the following questions. (5x2)

- i. Which of these will not represent zero?
a. $1+0$ b. 0×0 c. $0/2$ d. $\frac{10-10}{2}$
- ii. What number must be added to -5 to get -15 ?
a. 10 b. 0 c. -10 d. 5
- iii. Longest chord of the circle called
a. Radius b. Centre c. Diameter d. Chord
- iv. If the area of square is 25 m^2 what is its side ?
a. 4 b. 5 c. 6 d. 2
- v. The measure of the angle between to perpendicular line is.....
a. 25^0 b. 90^0 c. 45^0 d. 30^0

[B] Fill in the blanks

(5x2)

- i. 1 Crore =..... ten lakh
- ii. If the selling price of an article is Rs.220 and gain is Rs. 20, its cost price will be
- iii. A triangle whose all three sides are unequal is called.....
- iv. A chord touches..... points on the circle.
- v. The fraction $\frac{3}{4}$ ispercent.

Q2. Fill in the boxes with <, > (4)
(a) $\frac{4}{10}$ $\frac{3}{5}$ (b) $\frac{10}{25}$ $\frac{2}{10}$

Q3. Find the ratio of 1 week 5 days to 24 days. (4)

Q4. Draw a number line and locate the following points on it (4)
 $\frac{1}{4}$, $\frac{4}{4}$, $\frac{6}{4}$, $\frac{1}{2}$

Q5. Draw a line segment AB=8.5 cm. and draw its perpendicular bisector. (4)

- Q6. A survey of 120 school student was done to find which activities prefer to do in their free time (4)

Preferred activity	Number of students
Playing	45
Reading story books	30
Watching TV	20
Listening to music	10
Painting	15

Draw a bar graph to illustrate the above data taking scale of 1 unit length = 5 student

- Q 7. Length and breadth of a rectangular field are 40 m and 25 m respectively, find the ratio of the length to the breadth of the field. (4)

Do as directed:

(6)

Q8. Write as fraction in lowest terms.

(a) 0.6 (b) 0.25 (c) 0.75

Q9. Draw a line segment AB of length 8 cm. Mark a point 'M' on it. Through 'M' draw a perpendicular to AB (use ruler and compass) (6)

Q10. Draw an angle of measure 45° and construct its angle bisector .

(6)

Q11. Find the side of a square whose perimeter is 32 cm.

(6)

Q12. Find the cost of fencing a square park of length 250m at the rate of Rs. 20 per metre.

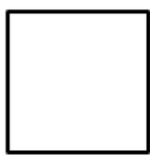
(6)

Read the questions carefully and solve the problems. Draw diagrams wherever necessary.

Q.13. Three tankers contain 403, 434, and 465 litres of diesel respectively. Find the maximum capacity of a container that can measure the diesel in the three containers exact number of times. (8)

Q. 14. Check whether the following figures are symmetric or not. Draw the line of symmetry also. (8)

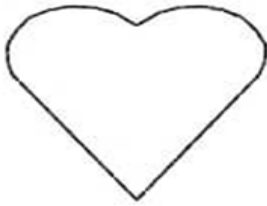
(a)



(b)



(c)



Construction :

10 marks

Q15. Draw a circle of radius 4cms. Draw any two of its chords. Construct the perpendicular bisectors of these chords. Name the points where they meet. Now write the steps of the construction in proper sequence.

OR

Draw a rectangle whose sides are 10 c.m. & 8 c.m. Name the figure. Draw the bisectors. Now write the steps of the construction in proper sequence.