

HALF YEARLY EXAMINATION, 2017-18
MATHEMATICS

Time : 3 hrs.

Class - VI

M.M. : 80

Date – 20.09.2017 (Wednesday)

Name of the student _____ Section _____

General Instructions –

- The question paper consists of 33 questions divided into 4 sections A, B, C and D. Section A comprises 6 questions of 1 mark each. Section B comprises 6 questions of 2 marks each. Section C comprises 12 questions of 3 marks each. Section D comprises 9 questions of 4 marks each.
- In Section - A and B all questions are compulsory. In Section - C solve any 10 questions and in Section - D solve any 8 questions.
- Draw neat diagrams wherever needed.
- Use of calculator is not permitted.

SECTION-A (Attempt all questions)

- Q.1** One lakh = _____ ten thousand.
- Q.2** $0 \div 5 =$ _____.
- Q.3** _____ is the smallest prime number.
- Q.4** A _____ has two end points.
- Q.5** The angle name for one-fourth of a revolution is _____.
- Q.6** The opposite of: loss of Rs 1000 is _____.

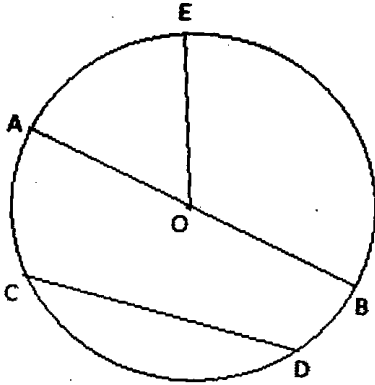
SECTION - B (Attempt all questions)

- Q.7** Using the digits 4,7,5,0 without repetition, find the greatest and the smallest four-digit numbers.
- Q.8** Find the value using suitable property : $81265 \times 169 - 81265 \times 69$.
- Q.9** Write all the factors of 26.
- Q.10** Draw two curves that are opened.
- Q.11** What is the measure of :
- i) A right angle ii) A straight angle
- Q.12** i) The greatest negative integer is _____.
- ii) The smallest positive integer is _____.

SECTION-C (Attempt any 10 questions)

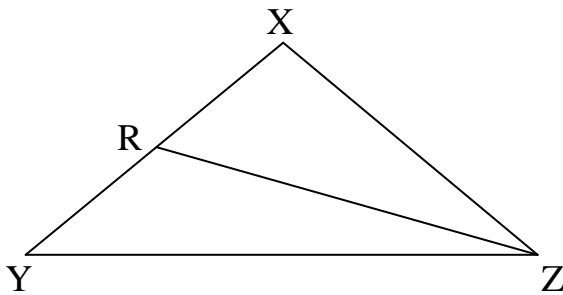
- Q.13** Estimate the product of 367×231 by rounding off both the numbers to the nearest hundred.

- Q.14** Find the product of 432×1002 using suitable property.
- Q.15** Determine the greatest 3 digit number exactly divisible by 8, 10 and 12.
- Q.16** Using divisibility test, determine if 70169308 is divisible by 11 or not.
- Q.17** Using divisibility test, determine if 438750 is divisible by 6 or not.
- Q.18** From the given figure identify:



- i) Centre of the circle. ii) A diameter
 iii) A chord. iv) A sector.
 v) A segment. vi) A radius.

- Q.19** Identify 3 triangles in the given figure.



- Q.20** What shape is:
 i) A brick? ii) A laddoo? iii) A road roller?
- Q.21** Write the number of faces, edges and vertices of a square pyramid.
- Q.22** What fraction of a revolution is covered if:
 i) You stand facing east and turn clockwise to face north.
 ii) Minute hand of a clock goes from 3 to 6.
 iii) Minute hand of a clock goes from 2 to 8.
- Q.23** Using the number line, find the integer which is 4 more than (-5).
- Q.24** Write all the integers between (-2) and (-7) in ascending order.

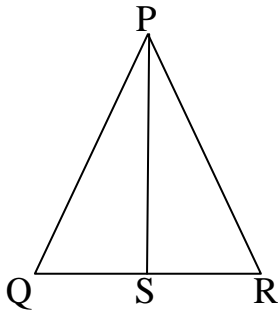
SECTION-D (Attempt any 8 questions)

- Q.25** A person had Rs. 10,00,000 with him. He purchased a television for Rs. 16580, a bike for Rs. 45890 and a flat for Rs. 870000. How much money was left with him?
- Q.26** Solve by suitable rearrangement:
 i) $2 \times 1658 \times 50$ ii) $1962 + 453 + 1538 + 647$

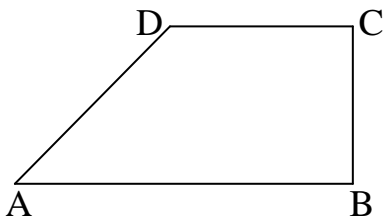
- Q.27** On morning walk three persons step off together and their steps measure 40 cm, 42 cm and 46 cm respectively.
- What is the minimum distance each should walk so that each can cover the same distance in complete steps?
 - What are the benefits of morning walk?

Q.28 The length, breadth and height of a room are 825 cm, 675 cm and 450 cm respectively. Find the longest tape which can measure the three dimensions of the room exactly.

Q.29 Write the names of any four angles in the given figure.



Q.30 In the quadrilateral ABCD, state:



- Two pairs of opposite sides.
- Two pairs of adjacent sides.

Q.31 Match the column:

Column: 1 (Measures of triangles)	Column: 2 (Types of triangles)
a) 3 sides of equal length	i. Obtuse angled triangle.
b) 1 right angle	ii. Right angled triangle.
c) 2 sides of equal length	iii. Equilateral triangle.
d) 1 obtuse angle	iv. Isosceles triangle.

Q.32 Say True or False:

- Each angle of a rectangle is a right angle.
- All the sides of a parallelogram are of equal length.
- The diagonals of a square are perpendicular to one another.
- All sides of a rhombus are of equal length.

Q.33 Fill in the box with '>', '<' or '=' sign (Show the calculation part):
 $(-36) - (-53)$ $(-53) - (-36)$

