ANANDALAYA
PERIODIC TEST – 2
Class : VI

विद्या सर्वार्थ साधिका

Subject: Mathematics   M.M: 50
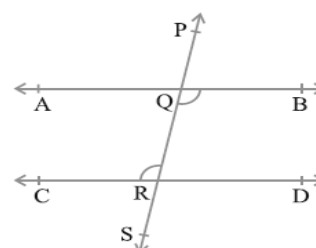Date   :26/09/2019   Time: 2   Hours

General Instructions :
i) All questions are compulsory.
ii) This question paper contains 22 questions.
iii) Section A contains 7 questions each of 1 mark.
iv) Section B contains 6 questions each of 2 marks.
v) Section C contains 5 questions each of 3 marks.
vi) Section D contains 4 questions each of 4 marks.

SECTION : A

1. How many line segments can pass through two given points? (1)
2. In the adjoining figure, write the any one obtuse angle. (1)

3. 3 cm = _____ mm. (1)

4. Name the following angles as acute , obtuse ,   right or reflex angle (1)
   i) $\angle ABC = 128°$ ii) $\angle PQR = 275°$

5. Represent 4 more than -8 on the number line. (1)

6. Represent $3\frac{1}{4}$ on the number line. (1)

7. Classify the following fractions as proper or improper fraction. (1)
   a) $\frac{28}{8}$ b) $\frac{6}{7}$

SECTION : B

8. Draw a circle with centre O and radius 4 cm. Mark points A, B, C, D such that (2)
   i) A lies in the interior of circle.
   ii) B lies on the circumference of the circle.
   iii) OBCD is the major sector.

9. a) What fraction of a clockwise revolution does the hour hand of clock turn through when it goes from 1 to 10. (2)
   b) Where will the hour hand of a clock stop it it starts at 6 and makes ½ of a revolution, clockwise?
   c) What part of revolution have you turned through if you stand facing West and turn clockwise to face South?
   d) Which direction will you face if you start facing West and make ¾ revolution clockwise?

10. The sum of two integers is -27. If one of the numbers is 195, find the other. (2)

11. In a particular day, the temperature of four cities of India were recorded are : (2)

City	Jaisalmer	Leh	Kargil	Lucknow
Temperature	$23°C$ above $0°$ C	$2°C$ below $0°$C	$4°C$ below $0°$C	$28°C$ above $0°$C

Arrange the cities in increasing order of their temperature.

12. In a class test, Ramesh got 14 marks out of 20 in Maths and 20 marks out of 30 in science. In which subject his performance was better? (2)

13. Find the equivalent fraction of $\frac{5}{8}$ having (2)
i) Denominator 24   ii) Numerator 45

SECTION : C

14. Draw a polygon with 5 sides and do as directed. (3)
i) Shade its interior.
ii) Mark a point P on its boundary.
iii) Mark two points Q and R in its interior.
iv) Mark two points S, T in the exterior of polygon.
v) Join $\overline{PQ}$ and $\overline{PT}$.
vi) Which of the line segments $\overline{PQ}$ and $\overline{PT}$ lie in the region of the polygon?

15. Complete the following table. (3)

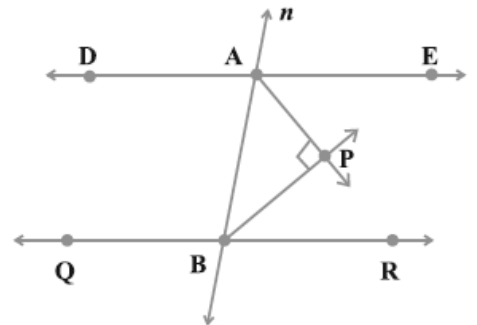| Sr. No.	Shape	Faces	Vertices	Edges
1.	Cuboid			
2.	Triangular Prism			

16. a) Write 2 negative integers greater than – 15. (3)
b) The temperature of an object was $-3°C$. Then it rose by 5 degrees. Now its temperature is ____.
c) Sohina had ` 10,000 in her savings bank account. She withdraws ` 7,000 and the next day she deposited ` 8,000 back. The balance in her savings account is _____.

17. Arrange the given fractions in ascending order: $\frac{5}{8}, \frac{11}{18}, \frac{2}{9}$ (3)
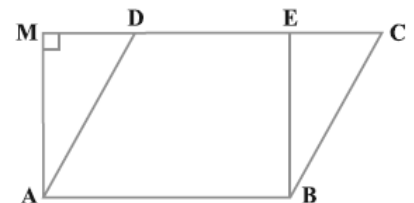
18. i) Add $\frac{5}{7} \, and \, \frac{3}{5}$ ii) Subtract $\frac{2}{3}$ from $\frac{6}{7}$ (3)

SECTION : D

19. In the given figure, (4)
a) Name a pair of parallel lines.
b) Name a pair of intersecting lines.
c) Name a point of intersection of $\overleftrightarrow{QR}$ and $\overleftrightarrow{AB}$
d) Name a line containing point E.
e) Name a ray containing point P.
f) Name three collinear points.
g) Name the right angled triangle.
h) Name any one acute angle.

20. a) Name the trapezium and right angled triangle in the figure given. (4)
b) Draw the diagonals of the rectangle in the given figure.
c) In which type of quadrilaterals diagonals bisect each other at right angles?
d) In which type of quadrilaterals diagonals are equal?

21. i) Today the temperature is – 2 °C and is snowing. The forecast for tomorrow is for drop in temperature by 4°C. What will be the expected temperature tomorrow? (4)
ii) Subtract the sum of – 17 and 27 from 43.

22. i) Convert $\frac{19}{4}$ into mixed fraction. (4)
ii) Convert $3\frac{4}{17}$ into improper fraction.
iii) What fraction of an hour is 20 minutes?
iv) Reduce $\frac{16}{24}$ to its lowest term.