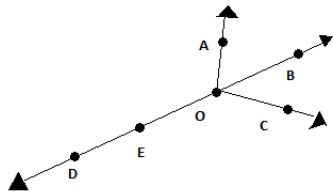


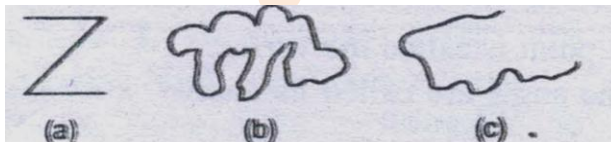
Class: 6
Subject: Mathematics
Topic: Basic Geometrical Ideas
No. of Questions: 15

- Q1. Use the figure to name:
- Five points
 - A line
 - Four rays
 - Five line segments

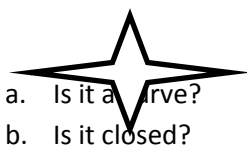


- Q2. Draw a rough figure and label suitable in each of the following cases:
- Point P lies on \leftrightarrow_{AB}
 - \leftrightarrow_{XY} and \leftrightarrow_{PQ} intersect at M.
 - Line l contains E and F but not D.
 - Op and OQ meet at O.

- Q3. Classify the following curves as (i) Open or (ii) closed

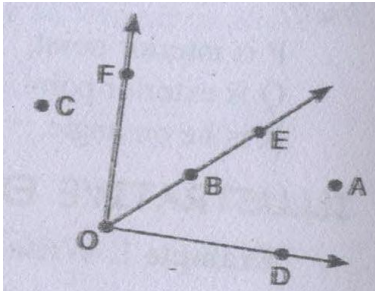


- Q4. Consider the given figure and answer the questions:

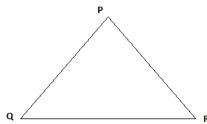


- Is it a curve?
- Is it closed?

- Q5. In the given diagram, name the points(s)
- In the interior of $\angle DOE$
 - In the exterior of $\angle EOF$
 - On $\angle EOF$

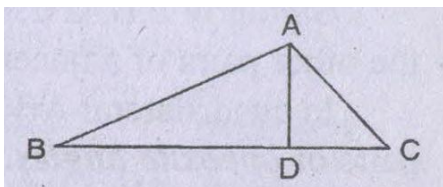


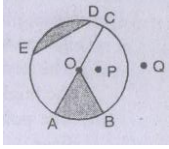
- Q6. Look at the ΔPQR and complete the following table (with suitable entry)



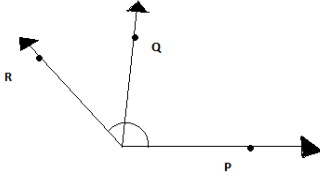
Vertex	Name of the sides joining the vertex	Side opposite to vertex
P	PQ and PR	QR
Q
R

- Q7. (a) Identify three triangles in the figure. (b) Write the names of seven angles. (c) Write the names of six line segments. (d) which two triangles have $\angle B$ as common?



- Q8. Mark a point M in the interior and a point N in the exterior of quadrilateral ABCD. Join MN. Does MN meet the quadrilateral? If yes, in how many points?
- Q9. Draw a rough sketch of a quadrilateral PQRS. Draw its diagonals. Name them. Is the meeting point of the diagonals in the interior or exterior of the quadrilateral?
- Q10. Draw a rough sketch of a quadrilateral KLMN. State:
- Two pairs of opposite sides,
 - Two pairs of opposite angles,
 - Two pairs of adjacent sides,
 - Two pairs of adjacent angles
- Q11. From the figure identify
- 
- The center of circle
 - Three radii
 - A diameter
 - A chord
 - Two points in the interior
 - A point in the exterior
 - A sector
 - A segment
- Q12. a Is every diameter of a circle also a chord?
b Is every chord of a circle also a diameter?
- Q13. Given three examples of angles from your environment.
- Q14. Fill in the blanks to make the statements true:
- All the radiuses of the circle are
 - All the diameters of the circle are
 - Diameter of a circle is its radius.
 - Diameters of a circle meet at the of the circle.

Q15. How many angles are shown in following figure? Name them.



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