BHARATH COACHING CENTRE

6th CBSE **Maths** **Total: 40**

UNDERSTANDING ELEMENTARY SHAPES **Time: 45 mins**

SECTION – A $1 \times 6 = 6$

1. How many faces a tetrahedron have?
2. If one angle is $90°$ in a triangle, then its triangle is called….
3. In a square PQRS, the diagonals bisect at O. Then ΔPOQ is….
4. What is the angle measurement between the hands of Z clock, if the time is 1:00 pm?
5. An angle whose measure is the sum of the measures of two right angles is
6. Through how many degrees does the hour hand of a clock turn in 5 minutes?

SECTION-B $2 \times 5 = 10$

1. Draw a hexagon and write its sides and diagonals?
2. What fraction of a clockwise revolution does the hour hand of a clock turn through when it goes from 12 to 3?
3. What is complete angle?
4. If a bicycle wheel has 36 spokes, then the angle between a pair of adjacent spokes is…….
5. What is the condition for two triangles to be concurrent?

SECTION-C $3 \times 4 = 12$

1. If B is the midpoint of $\acute{A}C$ and C is the point of $\acute{BD}$. Where A, B, C, D lie on a straight line, say why $AB = CD$?
2. A 12m long wire is converted into an equilateral triangle, then length of each sides of its triangle will be

3. Let $\acute{PQ}$ be the perpendicular to the line segment $\acute{XY}$. Let $\acute{PQ}$ and $\acute{XY}$ intersect in the point A. What is the measure of $¿\, PAY\ ?$
4. A ship sailing in river Jhelum moves towards east. If it changes to north, through what angles does it turn?

SECTION-D $4 \times 3 = 1$

1. All equilateral triangle are isosceles, but all isosceles triangle are not equilateral. Justify the statement.
2. The wheel of a bicycle makes three and a half turns. Through how many angles does it make?
3. In $\Delta\, ABC\ if\ 3 < A = 4 < B = 5 < C$. Calculate $¿\, A, < B, < C$.