

VII - Mathematics Assignment No-08 - Δ and its Properties.M. C. Q.

- Q1. Each acute angle of a right angled isosceles triangle is  
 (i)  $60^\circ$  (ii)  $30^\circ$  (iii)  $45^\circ$  (iv)  $50^\circ$
- Q2. The sum of all angles of a quadrilateral is  
 (i)  $180^\circ$  (ii)  $360^\circ$  (iii)  $90^\circ$  (iv)  $330^\circ$
- Q3. A triangle can have two  
 (i) Acute angles (ii) right angles  
 (iii) straight angles (iv) obtuse angles.
- Q4. The number of medians in a  $\Delta$  is/are  
 (i) 1 (ii) 2 (iii) 3 (iv) 4
- Q5. If two angles of a  $\Delta$  are  $30^\circ, 120^\circ$   
 Then such a  $\Delta$  is  
 (i) Isosceles (ii) Scalene (iii) Equilateral  
 (iv) Right

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Q6. Sum of all angles of a  $\triangle$  is  
 (i)  $180^\circ$  (ii)  $360^\circ$  (iii)  $270^\circ$  (iv)  $90^\circ$

Q7. A  $\triangle$  can be constructed with sides in cm are

- (i) 2, 4, 8 (ii) 4, 4, 8 (iii) 3, 6, 9 (iv) 7, 8, 9

Q8. In a right angled  $\triangle ABC$  if  $AB^2 = AC^2 + BC^2$  then the right angle is

- (i)  $\angle BCA$  (ii)  $\angle ABC$  (iii)  $\angle BAC$  (iv)  $\angle CBA$

Q9. Out of the following triplets, which triplet does not make a right angled  $\triangle$ .

- (i) 3, 4, 5 (ii) 8, 15, 17, (iii) 7, 24, 25  
 (iv) 5, 6, 7

(Q10). In a right angled  $\triangle$ , two sides are 9cm and 12cm. The hypotenuse will be

- (i) 15cm (ii) 10cm (iii) 13cm (iv) 14cm.

**ANSWERS:**

(Q1) (iii)	(Q5) (ii)	(Q8) (i)
(Q2) (ii)	(Q6) (i)	(Q9) (iv)
(Q3) (i)	(Q7) (iv)	(Q10) (i)
(Q4) (iii)		