

M.M. 33

Ch. Constructions class IX

Time 1 hour

**Section A 1 mark each**

- Q1. Draw an angle of  $30^\circ$   
Q2. Draw an angle of  $22.5^\circ$   
Q3. Draw an angle of  $15^\circ$

**Section D 6 marks each**

- Q4. Construct a  $\Delta ABC$  in which  
 $BC = 4.6\text{cm}$ , angle  $B = 60^\circ$  and  $AB + BC = 8.5\text{cm}$   
Q5. Construct a  $\Delta ABC$  in which  $BC = 5.9\text{ cm}$ , angle  $B = 30^\circ$  and  $AB - AC = 2.9\text{ cm}$ .  
Q6. Construct a  $\Delta ABC$  having angle  $B = 22.5^\circ$ ,  $BC = 4.5$  and  $AB - AC = 2.5\text{cm}$ .  
Q7. Construct a  $\Delta ABC$  in which angle  $B = 30^\circ$ , angle  $C = 45^\circ$  and  
 $AB + BC + CA = 11.1\text{ cm}$ .  
Q8. Construct a right  $\Delta$  whose base is  $4\text{ cm}$  and sum of its hypotenuse and other side is  $8\text{ cm}$ .

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