*Theory Quiz-2*

1. Consider the following quad as glut window. Now find out the intersection points from given 2 lines. [4 Marks]

P2(2,9) P4(6,10)

D (0,

8

)

E (

8

,

8

)

P1(

-

2

,

3

)

A (0,0)

B (

8

,0)

P3 (4,-3)

1. Apply Polygon clipping to the following polygon(V1-V7). Show every step of your calculation. [5 Marks]

V

5

V

4

V

7

V

6

V

3

V

2

V1

3. Consider the given polygon with 4 control points: A(0,0), B(2,10), C(6, 10) , D(8, 14). Now find out **5**

**points** on that Bezier Curve and **plot them**. Show necessary calculations. [6 Marks]