COMPUTER GRAPHICS
6th Exam/Comp/IT/6217/6862/May'15

Duration: 3Hrs **Max. Marks: 75**

Section - A

Q.1 Do as directed. (10x1.5=15)

1. Define resolution.
2. The transformation that enhances or reduces the size of an object is called ____.
3. Expand CGI
4. The reverse of clipping is called_____.
5. Pixel is smallest addressable screen element (T/F)
6. Aspect ratio gives the ratio of vertical pointed to horizontal points. (T/F)
7. Name two output devices_____.
8. Expand GUI.
9. Sutherland – Hodgeman algorithm is used for_____ clipping.
10. A depth buffer algorithm is not an object space hidden surface removal algorithm. (T/F).

Section – B

Q2. Attempt any five questions (5x6=30)

1. Explain the working of shadow mask CRT.
2. What do you mean by scan conversion? What are its side effects?
3. Differentiate between random and raster scan display.
4. What is text clipping? Explain with the help of diagram.
5. Write a note on vanishing points.
6. Show that two successive translations are additive.
7. Explain DDA algorithm of line drawing.

Section – C

Q3. Attempt any two questions. (2x15=30)

1. Explain in detail Cohen Sutherland Line clipping algorithm.
2. Explain 2-Dimensional translation, scaling and rotation along with their matrix representation.
3. Write short note on.
   Hidden line and hidden surface elimination.

(a) Applications of computer graphics.

(b) Flood filling.