



Reg. No. :

Name :

Sixth Semester B.Tech. Degree Examination, June 2018.
(2008 Scheme)
08.605 : COMPUTER GRAPHICS (F)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions. **Each** question carries **four** marks.

(10×4=40 Marks)

1. Draw Architecture of simple random scan system.
2. Explain Shadow mask.
3. Explain clipping.
4. What you mean by a homogeneous coordinate ?
5. What is Reflection ?
6. What you mean by shear ?
7. Explain each step in scan line algorithm.
8. What you mean by vanishing points ?
9. Explain Sobel edge detection.
10. What is histogram ?

PART – B

Answer **any one full** question from **each** Module. **Each** question carries **20** marks.

Module – I

11. Explain Scan Line Polygon Filling Algorithm.

20

OR

12. Explain shutter effect used in LCD (Liquid Crystal Displays).

20

P.T.O.



Module – II

13. Explain Cohen Sutherland Line clipping algorithm. 20

OR

14. Explain two dimensional viewing transformation pipeline. 20

Module – III

15. a) Explain Canny Edge Detection works. 10

b) Describe perspective projection. 10

OR

16. a) What is histogram equalization ? Explain. 10

b) Explain hidden elimination method. 10

(20×3=60 Marks)
