



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

THIRD SEMESTER – NOVEMBER 2017

16PCA3ID01 – COMPUTER GRAPHICS AND MULTIMEDIA

Date: 13-11-2017

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

Part-A

Answer ALL Questions

(10 * 2= 20)

1. Write the function for POLYGON output primitive in OpenGL
2. What is the use of Light pen?
3. What is a View port?
4. Define clipping window.
5. Define Zero order parametric continuity.
6. What are the two methods for constructing a motion sequence?
7. Define Texture.
8. Define Shape.
9. What is comp?
10. Write short note on Primary colour.

Part-B

Answer ALL Questions

(5 * 8= 40)

11. a) Write all the functions for display window management.
(or)
b) Explain the concept of Cohen-Sutherland line clipping.
12. a) Explain all the two dimensional viewing functions.
(or)
b) Explain Bezier spline curve.
13. a) Explain Depth Buffer method in detail.
(or)
b) Write short notes on Morphing with key frame system.
14. a) What is composition? Give examples.
(or)
b) What is layout and explain the anatomy of web layout

15. a) Explain about the Hue, Saturation and Chromatic value.

(or)

b) Differentiate horizontal and vertical spacing

Part- C

Answer any Two Questions

(2 * 20= 40)

16. a) Discuss Bresenham's line drawing algorithm in detail

b) Explain 2D transformations in detail.

17. a) Explain YIQ and CMY color models in detail.

b) Explain the classification of typography. Illustrate with an example

18. a) Describe about the different Elements in Design

b) Explain all the interactive input device functions in detail.
