

B. C. A. (Sem.V) Examination
October/ 2015
Computer Graphics Using C++ - 505
Subject Code No - 3460

Time: 2 Hours 30 Minute**Total Marks: 70****Q.1 Answer the following questions:**

- (A) Explain applications of computer graphics. (07)
(B) Explain computer graphics tools in detail. (07)

OR

Q.1 Explain following controls in detail:

- (A) What is computer graphics? List and explain advantages of computer graphics. (07)
(B) Write a short note on "Computer graphics software standard". (07)

Q.2 Answer the following Questions:

- (A) Write a short note on printer. (07)
(B) Explain color CRT monitor in detail. (07)

OR

Q.2 Answer the following Questions:

- (A) Write a short note on plotter. (07)
(B) Differentiate: Random scan display V/s Raster scan display. (07)

Q.3 Answer the following Questions:

- (A) Explain DDA line drawing algorithm in detail. (07)
(B) Write a short note on inside-outside test. (07)

OR

Q.3 Answer the following Questions:

- (A) Explain Boundary fill algorithm in detail. (07)
(B) Write a short note on line attributes. (07)

Q.4 Answer the following Questions:

- (A) Explain Matrix representation of transformation technique. (07)
(B) Explain translation, rotation and scaling in detail. (07)

OR

Q.4 Answer the following Questions:

- (A) Explain flood fill algorithm in detail. (07)
(C) Explain reflection in detail. (07)

Q.5 Answer the following Questions:

- (A) Write a short note on "3-D Graphics". (07)
(B) Explain Hidden surface removal in detail. (07)

OR

Q.5 Answer the following Questions:

- (A) Explain Zooming & Dragging in detail. (07)
(B) Explain rubber banding methods in detail. (07)