NOTE: *Attempt any five questions from the rest. All questions carry equal marks. Phones and other Electronic*

Paper   : **Computer Graphics-CS347**   Examination: Final, Spring-2018

Time Allowed : 3 hours   Total Marks: 70, Passing Marks (35)

cathode-ray tube with diagrammatic representation.   (14)

Q.2   Discuss the digital differential analyzer (DDA) algorithm with a C/C++ program. (14)

Q.3   How to draw a circle from midpoint, discuss the midpint circle algorithm with a C/C++   program.
                                                                            (14)

Q.4   Discuss the line and character attributes in detail.   (14)

Q.5   What is meant by transformations, discuss the basic transformations in detail.   (14)

Q.6   What is meant by three-dimensional display, discuss the three-dimensional methods in   detail.
                                                                            (14)

Q.7   Discuss the followings.   (14)
       1.   Bezier curves and surfaces
       2.   Beta-splines

Q.8   Write short notes on any TWO of the following: (7,7)

       a)   Raster methods for transformation
       b)   Three-dimensional viewing devices
       c)   Parallel curve algorithms.