V.P. & R.P.T.P. SCIENCE COLLEGE

T.Y.B.Sc EXAMINATION

SEMESTER – V

US05CCSC06: Computer Graphics

Date: 06/10/2016   Time: 11:00am to 12:30pm   Marks: 25

Q1   Multiple choice of Question: [3]

1) CAD stands for_____.
   - [a] Computer Aided Design
   - [b] Common Application Design
   - [c] Common Aided Design
   - [d] Computer Application Design

2) _____ is the equation for straight line.
   - [a] $y = m.x + b$
   - [b] $y = m/x + b$
   - [c] $y = m.x.b$
   - [d] $y = m.x$

3) Rotation point is also known as _____.
   - [a] Rotation angle
   - [b] Rotation axis
   - [c] Pivot point
   - [d] translation vector

Q2   Answer the following in short (Any 2):   [4]

1) State disadvantages of DVST
2) Differentiate: Serif and Sans serif fonts.
3) Define: Reflection and Rotation.

Q3   Explain working of CRT in detail.   [6]

OR

Q3   List all types of input devices and explain any two in detail   [6]

Q4   Explain boundary fill algorithm (8-connected) with diagram.   [6]

OR

Q4   Write a note on character attributes.   [6]

Q5   Explain window-to-viewport coordinate window transformation.   [6]

OR

Q5   Explain in brief Sutherland Hodgeman polygon clipping algorithm.   [6]