

Ex 3

V.P. & R.P.T.P. SCIENCE COLLEGE
T.Y.B.Sc. (SEMESTER – V)
INTERNAL TEST: OCT-2017

US05CCSC06: Computer Graphics and Multimedia

DATE: 09/10/2017

TIME: 11:00am to 12:30pm

MARKS: 25

Q.1 Multiple Choice Question

[03]

- _____ is a primary input device for entering string.
a. Mouse
b. Joystick
c. Trackball
d. Keyboard
- DDA is an algorithm _____.
a. To draw a line
b. To rotate a line
c. To draw circle
d. To draw polygon
- A _____ is a transformation that produces a mirror image of an object.
a. translation
b. reflection
c. rotation
d. shear



Q.2 Answer the following in short (Any two)

[04]

- Define the following terms: a) Frame & b) Frame Buffer
- List attributes for the line.
- Define: a) Translation & b) Rotation

Q.3 Explain working of CRT in detail.

[06]

OR

Q.3 Write short note on: Shadow Mask Method.

[06]

Q.4 Explain flood fill algorithm (4-connected) with diagram.

[06]

OR

Q.4 Write steps for Bresenham line drawing algorithm.

[06]

Q.5 Explain in brief Sutherland Hodgeman polygon clipping algorithm.

[06]

OR

Q.5 Explain in brief Cohen Sutherland Line Clipping Algorithm.

[06]