# V.P. & R.P.T.P. SCIENCE COLLEGE
## T.Y.B.Sc. (SEMESTER – V)
## INTERNAL TEST : OCT-2019
## COMPUTER SCIENCE
### US05CCSC06 : Computer Graphics and Multimedia

DATE: 10/10/2019          TIME: 11:00pm to 12:15pm          MARKS : 25

**Q.1 Multiple Choice Question**                                                          [05]

1. _____ is not the application of Computer Graphics.
   - a. Computer Aided Design
   - b. Power Point
   - c. Presentation Graphics
   - d. Computer Art

2. Odd-even rule also known as _____
   - a. Odd-parity rule
   - b. Only (b)
   - c. Even-parity rule
   - d. Both (a) and (b)

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

4. Audio Jacks are _____ hole connecting interface on the audio cards.
   - a. Double   b. Single   c. Both (a) & (b)   d. None of above

5. _____ are basically meant for Digital Audio Recording, Amplification and Playback.
   - a. Sound Cards   b. Graphic Cards   c. Both (a) & (b)   d. None of above


**Q.2** Explain working of CRT in detail                                                   [05]

**OR**

**Q.2** What is Computer Graphics? Explain in brief a major application area of
Computer Graphics.                                                                         [05]


**Q.3** Explain boundary fill algorithm (4-connected) with diagram..                        [05]

**OR**

**Q.3** Explain odd-even rule with example.                                                [05]


**Q.4** What is geometric transformation? List all 2-D geometric transformation and explain
any one in detail..                                                                        [05]

**OR**

**Q.4** What is text clipping? List out all types and explain it with example.             [05]


**Q.5** What is multimedia? Also explain various facets of multimedia.                      [05]

**OR**

**Q.5** Write brief note on '2D & 3D Animation Techniques'.                                 [05]