FirstRanker.com

www.FirstRanker.com

www.FirstRanker.com

# MCA IV Semester Regular Examinations May 2019 COMPUTER GRAPHICS & MULTIMEDIA

(For 2017 admitted batches in only)

Time: 3 hours

Max. Marks: 60

## Answer all the questions

\*\*\*\*

1 Explain how error handling can be performed in open GL with suitable example.

### OR

- 2 Exemplify the specification of a 2-dimensional world co-ordinate reference frame in open GL.
- 3 Explain two dimensional geometric transformations.

### OR

- 4 Explain Cohen-Sutherland line clipping algorithm. Indicate the advantages and disadvantages of the algorithm.
- 5 Write the coding tree for HELLO using Shannon-Fano algorithm and also explain the algorithm.

### OR

- 6 Explain motion vector sequential search.
- 7 Briefly explain the Nyquist theorem for digitization of sound.

#### OR

OR

- 8 What is MIDI? Describe the hardware aspects of MIDI.
- 9 Describe automatic multimedia authoring.
- 10 Describe adobe premiere a multimedia authoring tool.