

ISLAMIAH COLLEGE [AUTONOMOUS], VANIYAMBADI

END SEMESTER EXAMINATIONS – MAY - 2020

Time: 3 Hrs

Max. Marks: 75

Subject: Computer Graphics & Multimedia

Subject Code: U5CS6001 / U5BC6001 / U5CC6001

PART - A (10 X 2 = 20)

Answer ALL the Questions

1. What are the properties of Circle?
2. Define Random Scan system.
3. Define Clipping operation.
4. What is fixed point scaling?
5. Define Parallel projection and Perspective projection.
6. Define 3D scaling.
7. Define Octree Method.
8. What are the classification of Visible Surface Detection Algorithm?
9. Define Multimedia.
10. What are the file formats that used to read images?

PART - B (5 X 5 = 25)

Answer ALL the Questions

11. (a) Give note on Video Display devices.
(Or)
(b) Explain logical classification of Input.
12. (a) Write about General Pivot point rotation.
(Or)
(b) Write note on Clipping Operation.
13. (a) Explain Viewing Pipeline.
(Or)
(b) Explain 3D scaling.

14. (a) Give short note on Back-face detection.
(Or)
(b) Write in detail about Area-subdivision method.
15. (a) Explain MIDI Concept in detail.
(Or)
(b) Explain 2D animation with a diagram.

PART - C (3 X 10 = 30)

Answer any THREE Questions

16. Explain Bresenham Circle generating Algorithm.
17. Give detail note on Window to Viewport Coordinate Transformation.
18. Explain Coordinate-axes Rotations.
19. Explain in detail about BSP-Tree Method.
20. Explain Digital Video fundamentals.

<p>Due to COVID-19 Pandemic Sanitize Your Hands Wear Face Mask Follow Social Distancing Norms</p>
