

Answer ALL Questions
[The figures in the right margin indicate the full marks and corresponding course outcom portions of each question must be answered sequentially.]

1. a) Compare two types of projection.

[3]

b) Which color model is better? Explain.

[2]

c) Define surface rendering? Why it is important?

[2]

d) Explain visual defects occur in Figure-A. How can you remove this jagged image in the context of Computer Graphics?

[3]

Figure A

2. From the following figure- B

[10]

i. Identify the coordinates of each point.

ii. Discover new object after rotate the cube ** degrees along the Z axis. ** is the last two digits of your ID.

iii. Find out the new object by performing reflection operation in y axis.

Figure B

algorithm should you use to clip subject polygon? Show the whole procedure using anti-clockwise direction only.

[10]

Figure C

4. Apply appropriate line clipping algorithm for the following Figure D

[11]

i) Identify the categories of lines AB, CD, EF, GH, IJ, KL and MN.

ii) Perform Clipping operation

Figure D