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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA I Year II Semester Supplementary Examinations May-2022
COMPUTER GRAPHICS

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I1 Explain the difference between raster & random scan systems. L5 12M

OR

2 a Explain about boundary fill algorithm. L2 6Mb Discuss about flood fill algorithm. L4 6M**UNIT-II**3 Explain about various kinds of composite transforms in detailed. L5 12M

OR

4 a List out various kinds of reflection in 3D transformations. L4 6Mb List about various kinds of shearing in 3D transformations. L4 6M**UNIT-III**5 Explain about cohen-sutherland line clipping algorithm. L2 12M

OR

6 a Elaborate about different types of clippings with examples. L6 6Mb Define about clipping in homogeneous coordinates. L5 6M**UNIT-IV**7 Describe about basic illumination models and surface rendering methods. L1 12M

OR

8 a Define about the contents of texture mapping and procedural texture methods. L5 6Mb Elaborate the content between bump mapping and frame mapping. L6 6M**UNIT-V**9 Elaborate the content of standard primaries and the chromaticity diagram. L6 12M

OR

10 a Discuss and design of animation sequences. L6 6Mb Explain about key frame systems. L2 6M

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