unit - 3 (continuation) (Color & Shades) O Explain RGB Color model with a neat diagram. D'Explain CMY Color model with a neat diagram D what is Indexed color? D) hit & Write OpenGal functions for color. Explain XYZ color matching functions & write Normalize O what is Chromaticity? write a Chromaticity deagree. D what is light ? Explain different types of Light source (8) Explain different types of swifaces. I what is Light? with Illumination function (1) what is an Illumination Model? 1 Explain phong Lighting Mobil. (2) what is Flat shooting? write Openbut function for Flat Shading (3) Explain Goverand Shading (4) Explain phong shoding. 15 Exploin specular model

1) What is 30 veining? Explain with its orchitecture. (2) Mith a neat diagram caplain 30 viening pipeling and 3D viewing parameters. (3) with suitable extehes, orplain The various kinds of view in computer graphics system (types of projections) (4) Describe the difference between perispective and orthogonal perejections (with the help of OpenGod) (5) Explain parallel projection and perspective projection with a neat diagram. (6) DEyplain different or classical vielling projection (7) Explain different types of parallel projection (8) Explain in details: (a) Oblique projection (6) Azonometric projections (with example) (3) I sometric orthogonal projection (with escample) (2) Multiview orthogonal projection (e) perspective projections (9) Explain OpenGL 3D Viewing functions and visibility detection functions. (0) Explain depth buffer method algorithm of 2 Buffer algorithm (1) Explain visibility algorithm (scan Line z-Buffer Algorithm)

Menglain in detail visibile swefare detection algorithm puth a example. @ Explain why rendering process is important in computer graphics. Unit - 5 D'Explain in delial about Bezier Spline curuces and sulfaces. Durile a short notes on following (a) Input devuces (i) Logic operation Duplay lust (K) Rubberbarding (e) Ruster Text Us Stroke Text (c) Curued Surfaces (m) Input modes (d) Quadric Gurfales (e) Cubic surface function (b) programming Event Driven Input @ Menles (b) picking 3 simple interactive programs to brawf give (i) Selection animation O car including animation nous button)

Osimple point program with menu structured paint program as given below. Right button - gint, clear ridels button - colors, pixel size, Fell alors - Red, Green, Blue, Cyan, Magenta, Yellar, while pixel sig - increwspixel size, decrease pixel size Fill - Fill on, Fill off Durite a simple paint priorgeram to draw fund drawing modes - line segment, rectangle, triungle, pinel and text choose colors, pinel size, fell mittern potterny.