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I-THAMMEDIEZA

Q.1. Explain 3D geraphics and packages.

are used. 3D graphics are images that larks closer to reality. As 3D entities, they can be notated and viewed from all angles as well as be scaled larger per smaller. They also allow lighting to be applied automatically in the rendering stage.

30 s/w packages >

- (1) 3D Studio Max
- (2) Maya
- 3 Blander
- ( Solidworks
- 3 Rhine 3D
- (6) z Boursh

Q-2- Explain Dithering techniques.

=> It is the process by which we create illusions of the color that are not present actually. The different dithering technique are:

(1) Random dithor - In random dithor, conone appear as a noise. P(x, y) P(x, y) P(x, y) = formac(I(x, y) + noise (x, y) + 0 + 5) everer occurs nandomby in the form of prendo. (iii) Enough diffusion distress -> Enough occurs oncer in the neighbor finel 0.3. What is Amiration? Explain techniques conterol and basic surles. Arimation is the and of computers It is coreated by means of 30 computer graphice, though 20 comforter graphics are still widely used for low bandwidthe and faster neal-time nendering needs. Techniques:

O Hand wer Hen animation 20 Cut outs
20 Retoscope (4) Flip book ( (3) Blenescopic 3D 2D) 6) Cont out out (7) Motion capture grindpean (8) Animation conterels display andis AVI clips that do not contain audio. One common use for an animation control is to indicate system activity during a lengthy operation. Basic sules -(1) Samuel and etroth (2) Anticipation (3) Staging Becomdany action Q.4. Enflain properties of light, charamaticity,
ROBand FIO color models. properties - Intensity, propagation dinection, ferequency and

warelength spectoum, polarization. Charamaticity of It defines quality of a color negardless of its luminance. It consists of 2 independent parameters 1) hue, and 2) colourfulness RGB - It is an additive color model in which are ned, green and blue light to produce a broad array of colors. ITA -> It is a notation of RGB colour space such that the Yanie contains the luminance information, allowing backwards compatibility with black-and-white colour TV's, which display only the axis of the