PART - B

	Computer Graphics - End Somester
	UNIT-1 2marks:
i	
- 1	Computer Graphic app.
۵.	50 '
3.	00:18 6/w image processing of computer graphics
₽.	
5.	
6.	Write short notes on refresh CRT?
7.	Define aspect ratio
·8 ·	Write short notes on modelling coordinates & docal
9.	Write short notes on modelling coordinates & docal coordinates Write the use of datagloves & touch panel.
ta .	Write short notes on modelling coordinates & xocal coordinates
w	Write the types of hardcopy devices.
u.	Write the nethods used in color CRT
12.	Write short notes on DUST & Panel display.
13.	Write the purpose of focusing system.
14.	Write short notes on bit map & pix map.
15.	Why we need fractal geometry nuthod (Pg 362)
16.	Waite the use of feastal method in (G).
17.	What are the basic characterities for feached object.
18.	Define fractal dimensions.
19.	Write the applications of fractal methods for modelling.
	63 17

- 2	Write the classification of fractal.
-	21. Define animation
- ó	2d Deline mording
	77.0(20)
	system.
,	7.8 -13-37
	13 - marks:
1.	Draw and explain working of CRT (8m).
	Raster scan & Random scan (5m). display.
3.	Input devices.
4.	Harding dough
5.	The state of the s
1. 44 MAE:	Fractal geometry methods (Pg 363 - 376). Ans: Fractal Generation Procedure.
ado is	Marillandia 1
Self Strate Self	Classification of fractal.
	Granetic contraction
	Goonetric construction of deterministic.
	Geometric construction of self similar
	18000
	Fractal construction method.
	Randon midpt displacement nethod.
6.	Wesign of animation sequence (8m) Pg 584.
	What are the ways in which and
	What are the ways in which motion of object can
	animation system . Pg 594 /5mg
2 W = 1. V =	the one should be a see a second
1	(2) · ·
	· ,

		UNIT-11 (a 12) A TO A
		CNIT-11 (2 marks) . (max colling to soil Add a
		Write other transformation
	2 .	Weline Coherence
	8.	Offine output Primitive.
	4.	Inside. Outside test? or Odd even Rule, Non-zeu
		wisding number Rule.
		Boundary Mill algorithm:
	6.	Boundary fill algorithm. Jour connected & 8 connected explain? Pg 127.
	7.	Flood Fill algorithm.
	8.	1009 Juli algorithm.
, ,	9.	Approches used to fill area in gaster system.
•	lo.	Deline window and viewport.
	u.	2D viewing transformation pipeline (with a raginary).
	10-	Define clipping and write types of clipping
		18 Marks
-	13.	What are the approaches available to fill an area
	_	on the raster system (Pg 117)
	14.	Online (pherence. wasparrajange mile soils)
	14.	
-	3.0	. Dill b/w isometric & acrometric
4	X	. Diff b/w isometric & acrometric
4	*	Diff b/w isometric & acrometric
4)·	Diff b/w isometric & acrometric. 13- marks: Scanline polygon fill algorithm.
<i>y</i>	1.	Diff b/w isometric & acrometric 13- marks: Scanline polygon fill algorithm. Circle generating algorithm.
4)· 2-	Diff b/w isometric & acrometric 13- marks: Scanline polygon fill algorithm. Circle generating algorithm. CohenSutherdand Line Clipping Algorithm.
4		Diff b/w isometric & acrometric 13- marks: Scanline polygon fill algorithm. Circle generating algorithm. Cohen&utherdand Line Clipping Algorithm. 20 transformation (8m).
4	3 -	Diff b/w isometric & acrometric 13- marks: Scanline polygon fill algorithm. Circle generating algorithm. CohenSutherdand Line Clipping Algorithm.

5.	DDA Line algorithm (5m).
6.	Breskoham dine Algorithm (8m)
7.	dine Basky Algorithm (5m).
	Sums - Line, circle (8m).
	the state of the s
	UNIT - 3.
	2 marks:
J	3D object representation & concepts.
ಎ .	Define 8 plaine and types of splaines
3,	Surface rendering.
4.	3D transformation types.
5.	Define polygon
6.	Curve dine surface and cordratic surfaces.
7.	Bezeir curve uses.
8.	Bezeir curve properties.
9.	Difference between parallel projection and perspective
	Projection
(0.	Define other transformations
, [1,	Difference object base methods image base methods.
/2.	Write the use of pointers algorithm (or) Depth
	sorting method?
<i>(</i> 3.	
J4 ·	Diff b/w accometric & isometric
	Do
	(4) 34

<u> </u>		13 marks:
Jan.	1.	.3D T_ 1
	2.	3D Jeansformation
)	3.	Splaine 8 its Types
3		Cubic polynomial splaine
3	4.	How can we project the 3D objects onto the
-		2D view plane? Elaborate your answer with
,		
٧	•	suitable diagrams.
-	2.	polygon susface (8m).
	6.	Parallel projection Depth Gumen Curing, Visible surface
	-	Perspertive projection (2000 any 2) 5 marks.
Ľ	7.	Scan line algorithm (8m).
	8.	
,	9.	Backlace detection method (8m)
i.		Backface detection method (8 m).
·	16.	Visible surface detection (8m)
Ŀ	11.	To produce a display of 3D object, what are
L		procedures (plaine equation) (8m).
Ŀ	12.	Bozeir mue & surface (122)
		Bezeir curve _ em
		surface - em.
1		
*		
		UNIT - IV Se - Miandi - Chap 2, 15, 16, 17.3
*	-	2 marks Book · 2. chap-5.
,	1.0	Define multimedia.
	ے	Components of multimedia.
		(s). 13

3.	Define hypermedia.
ы.	
5	1
6.	
7.	Diff b/w URI & ORL.
8.	Uses of get & post method:
9.	Multimedia authoring tool types only?
lo.	Action script & VRML?
- Jan	Define tweening & types of tweening
12.	
l3 .	
14.	
	in WAN's
15.	Access networks (last mile)
16.	Challenges in multimedia N/w communications Pg 442
L7.	Characteristics of multimedia N/w communication
18	dist the parameters used for multimedia data
	transmission.
10	
19.	dist the types of packets used in RTCP.
20.	Abbreviations RTCP PTSP
ي.	List the components of STB Set Jop Box
<i></i>	Write the types of broadcasting used in video
	on demand.
23 .	Office freding in Wireless communication
	14 (6)

Define multipath freeding. 301PP QOS requirements for multimedia transmission. GOD. MIME 13 marks: of multimedia elements. (1) text (1) Image
(11) animation. Video file formats (8m) 3. Multimedia authoring tool. () features of authoring З. What are the technique parameters that affect the design and delivery of multimedia applications Multiplexing technologies (8m) (15.2.1 - 15.2.4). Access N/W) (5m). (HFC, FTTC, FTTH, Jensestial destribution, satellite distribution) Quality of Multimedia Data transmission (&m). 7. Ans: QOS

QOS for IP Protocol. Prioritized delivery. SGMP / RTP / RTCP / RSDP / RTSP (5m). S. Modia On Womand (18 matks) (MOD) Am: ITV, STB, Broadcast schene for video on demand, Buffer management.

10.	Multimedia Wireless Networks (18 m)
Lieus	An: Synchronigation dos.
	Error resilent
	Entropy Coding
	Error Concelement.
	JEC
Book-2	Trends in wireless interactive multimedia.
u	TCP/IP reference model. (Pg 243 · chapts).
12	UNH- V (Book-2 chap 2, 3, 4,5)
	2. marks.
	Offine analog signal.
	Offine signal encoder decoder.
3.	NV Quist sampling theorem.
H.	Josmatted Jext
5.	Weite the use of compression.
ь.	What is loss less & lossy compression.
7.	Défine adecoord.
8 .	147-6- 40 1111
9. deligi	1.0 1
10-	Define vectoring.
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(3) JPEG (13 m) Audro Compression (13 m) (diagrams) AN : DPCM ADPCM APC IPC . CELP Preceptual Coding MPELY Audio Coders Dolby Audio Coders. Video Compression (13 m). An: video compression principles. M- point 261 H. point 263 MPEG MPEGII MPEG-2. MPEGI 4

(10)

UNIT-111 (2m). cavelier projection Vanishing point.
What are the approaches used in visible 17. 12. surface detection method.