Registration no:											
Total	Total Number of Pages: 2 B.Tech PCCS4401										
7 th Semester Regular / Back Examination 2016-17 COMPUTER GRAPHICS BRANCH: CSE Time: 3 Hours Max Marks: 70											210
Q.CODE: Y252 Answer Question No.1 which is compulsory and any five from the rest. The figures in the right hand margin indicate marks.											
210	a) b) c) d) e) f) h) i)	Answer the Show with dideflection in Distinguish to What is the dalgorithm? What is Stail What is a View What are valuated what is the a What is the a What is Key	ifferent dia a CRT. between F difference rcase Effe ew Port.? rious type e various f advantage nation and	Random so betweer ect? es of 2D Taypes of Ising	ons: e magne scan and DDA an ransform Parallel a	Raster and Bress and Bress and Bress and Persseneous	Scan. enham'	s Line o	etrostatic drawing etion?	(2 x 10)	210
Q2 ₀		Derive Brese	enham's L	ine Gene	eration al	gorithm	with th	ne₀slope	e (0 <m<1)< th=""><th> (2+8)</th><th>210</th></m<1)<>	(2+8)	210
Q3	a)	Digitize the I		•	s (20, 10)	and (3	Օ, 18) ե	oy Brese	enham's	(5)	
210	b)	Draw a circle		s 5⊧and c	enter (2,	2) by u	sing Br	esenha	m's circle	210 (5)	210
Q4	a)	Derive Suthe	erland-Ho	dgman a	lgorithm :	for poly	gon cliį	pping.		(5)	
210	b)	What is Half	toning?	210	2			210	2	210 (5)	Page T

QS	a,	Describe Fractal Classification.									
210	b)	Derive the transformation for 3-D Translation.									
Q6	a)	Describe Scan Line algorithm for visible surface detection method.									
	b)	Describe Gourand Shading in Polygon Rendering methods.									
Q7		What is illumination Reflection.	model?	Derive resultant	intensity o	of Diffuse	(10)				
Q8	a)	Write short answer on any TWO: (5 x 2) Random Scan system									
210	b)	Aliasing & anti-aliasing	210	210	210	210					
	c)	Bezier curves.									
	d)	Morphing.									
210		210	210	210	210	210					
210		210	210	210	210	210					
210		210	210	210	210	210					

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