Third Semester [B.Tech.] (CSE/IT)

September, 2019

First Term Examination

Paper Code: ETCS ~ 211 Time: 1½Hrs.		Subject: Comp	outer Graphics and M Maximum N	
Note: Attempt Q.No.1 which	h is compulsory an	d any two more q	questions from rem	aining.
QI.		•		4x2.5=10]
a) What do you mean by c				_
coordinate system in tra b) Distinguish between Ras	•		. :	
c) What do you mean by Ir		· .		
d) State the conditions for		-		
02				
Q2.		and the second		
a) Derive equations for Breser radius is 5 units using Brese	, and a second s		rt a circle centred at	(0,0) and [6]
b) Magnify the triangle with v C(5,2) fixed.	vertices A(0,0), B(1,1) and C(5,2) to	twice its size whil	e keeping [4]
Q3.				
 a) Using Cohen-Sutherland which has lower left corn 				a window
Line 1:	A(-1,5)	B(3,8)		[5]
b) Differentiate between Pa projection matrix of a p projection is at a distance	oint $P(x,y,z)$ onto	the projection pl	ane at $z=0$ and the	centre of
Q4.				
a) What is parametric conti	nuity condition? E	xplain 4 control p	oint Bezier curves.	[6]
b) Explain the Specular Ref	lection Model.			[4]
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