Re	gistra	ation No. :	
To	tal nu	mber of printed pages – 2	Tech
		PCCS	
		Seventh Semester Regular Examination - 2014	
		COMPUTER GRAPHICS	
		BRANCH(S): AEIE, BIOMED, CIVIL, EC, ETC, IT	
		QUESTION CODE : H 288	
		Full Marks – 70	
		Time: 3 Hours	
	An	swer Question No. 1 which is compulsory and any five from the rest.  The figures in the right-hand margin in the marks.	
1.	Answer the following questions :		
	(a)	What do you mean by text clipping?	
	(b)	Differentiate between parallel and perspective projection.	
	(c)	What is dithering?	
	(d)	List any four animation techniques.	
	(e)	What is the use of fractals in graphics applications?	
	(f)	Which shading method is faster and easier to calculate? Why?	
	(g)	What are the advantages of B spline over Bezier curve?	
	(h)	Define rendering.	
	(i)	Differentiate between flat and smooth shading.	
	(j)	Differentiate between window and view port.	
2.	(a)	Explain the Cohen Sutherland line clipping algorithm.	5
	(b)	Calculate the pixel location approximating the first octant of a circle had center at (4, 5) and radius 4 units using Bressenham's algorithm.	aving 5
3.	(a)	Discuss in brief the antialiasing techniques.	5
	(b)	Explain two dimensional translation and scaling with an example.	5

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