Code No: C6304		R09
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD M.Tech I Semester Examinations March/April-2011 ADVANCED COMPUTER GRAPHICS (IMAGE PROCESSING)		
		Aarks:60
Answer any five questions All questions carry equal marks		
1. a) b)	Differentiate Polygon based representation and Edge based represe Explain various aspects of Reflection.	entation. [12]
2.	Write an algorithm for Anti aliased Soft Shadows.	[12]
3.	Explain different View-Dependent Mapping Techniques.	[12]
4.	Explain the following:a) Ray Coherence.b) Spatial Coherence.	
	c) Backwards Ray tracing.	[12]
5.	Explain Cone tracing with relevant examples.	[12]
6.	What is Global Illumination? Give a rendering equation for globa	l illumination. [12]
7.	Illustrate goals of Render Man shading language.	[12]
8. a) b)	Differentiate Forward kinematics and Inverse kinematics in compu- Explain Deformation of B-Spline patch representation.	iter animation. [12]
