B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APR / MAY 2014

COMPUTER SCIENCE AND ENGINEERING

Seventh Semester

CS 9041 – VISUALIZATION TECHNIQUES

(Regulation 2008)

Time: 3 Hours	Answer ALL Questions	Max. Marks 100) ;
 Define psyc Define the c List two app Compare of Write down Write down Give the ad 	concept of non linear magnification. plications of non computer visualization. ne dimension and multi dimensional data. the advantages of using workspaces in GUI. the features of a typical text to speech system. dvantages of continuous zoom technique. e animation techniques.	/mbol.	
	PART-B (5 x 16 = 80 Marks)		1
	the visualization stages in detail. e data classified in visualization? Give one examp	le for each and exp	(8) lain.(8)
view princip	the properties suitable for users comprehension	•	(8)
	OR in the groups of emphasis techniques in detail. abstraction implemented in user interfaces?		(8) (8)
years. Expl set.	n a data set which consists of temperature and ain any one visualization technique used in deta e text visualized using vector representation mode	il to visualize the ab	
(.,	OR	· · · · · · · · · · · · · · · · · · ·	
	in the different ways of visualizing hierarchical da the process of using tree map technique for visua		(8) (8)
14. (a) How will	l you use zoom techniques for illustration purpose	es. Explain.	(16)

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	(b) Explain the architecture of a visual interfa	ace with dynamic figure captions.	(16)	
15	15. (a)(i) Design an animating system which is capable of rendering animated line dra			
	(ii) Explain in detail the process of creating animation files.	enhanced animation sequences from	simple (8)	
		OR	1	
	(b) Write short notes on:(i) Zoom navigator(ii) Rendering gestural expressions.(iii) Tactile maps		(5) (5) (6)	