S.Y.B.Sc.IT-Sem IV-Medical Exam-J

S.Y.B.Sc IT SEMESTER IV

SOFTWARE ENGINEERING TIME: 2 1/2 HOURS MARKS: 75 N.B: ALL QUESTIONS ARE COMPULSORY FIGURES TO THE RIGHT INDICATE FULL MARKS. EXPLAIN WITH HELP OF PROGRAMS, FLOWCHARTS AND

EXAMPLES WHEREVER NECESSARY

Q.1	ANSWER THE FOLLOWING (ANY THREE):	15
	A) Explain the Waterfall model B) Describe the functional requirements of software	
	C) Describe RAD model D) Describe Agile model E) Describe Iterative development	
	F) Describe Time boxing model	
Q.2	ANSWER THE FOLLOWING (ANY THREE):	15
	A) Describe the Emergent systems B) Explain the safety and security of software system C) Describe the process of requirement elicitations D) Explain the feasibility study E) Describe the requirement validation F) Describe the structured methods	
Q.3	ANSWER THE FOLLOWING (ANY THREE):	15
	 A) What is modular decomposition? Explain various models used in modular decomposition. 	
	B) What is reference architecture? What are its types?	
	C) Explain user design process and its core activitiesD) What is software project management? What is project planning?E) Explain the process of risk management and its stagesF) What is quality control? What are the approaches to achieve quality control?	
Q.4	ANSWER THE FOLLOWING (ANY THREE):	15
	A) What is V&V? What are the key areas on which the confidence level of good software depend?B) What is Software Inception and Program Inception?C) What is software testing? What are its goals?D) What is test case design? What are the characteristics of good test case?	
	E) What is structural testing and its criteria?F) Explain size oriented matrices. What are its advantages and disadvantages?	
Q.5	ANSWER THE FOLLOWING (ANY THREE):	15
	A) What is process measurement? What are its advantages? B) What is SOA? What are its benefits? C) What is software reuse? What are its types? D) Explain the architectural patterns of distributed systems E) What are COTS? What are its uses? F) What is client-server computing? What are its driving forces?	