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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD MCA III Semester Examinations, March/April - 2022 SOFTWARE ENGINEERING

Time: 3 Hours Max.Marks:75

Answer any five questions All questions carry equal marks

1.a) b) c)	What is Software? Explain software myths. Briefly discuss about capability maturity model integration (CMMI). Write short notes on process patterns and process assessment.	[5+5+5]
2.a) b)	Explain Various Incremental process models. Compare and Contrast evolutionary process models and unified process models.	[7+8]
3.a) b) c)	Design and analyze the software requirements document. Discuss in detail user requirements and system requirements. Write short note on requirements elicitation process.	[5+5+5]
4.a) b) c)	Write any two requirements of engineering process. Describe behavioral models with neat sketch. Explain about data models.	[5+5+5]
5.a) b)	What are different design concepts in design engineering? Explain in it. Elaborate models of UML.	[8+7]
6.a)	What is the function of collaboration diagram in design engineering? Discuss cla with an example.	ıssdiagran
b)	How sequence diagrams is helpful in architectural design.	[10+5]
7.a) b)	Define testing. Give information on strategic approach to software testing. Explain the following: i) Validation testing ii) System testing.	[8+7]
8.a) b) c)	Justify how metrics used in software quality. What are the steps involved to overcome software risks? Brieflydiscuss about qualitymanagement software engineering.	[5+5+5]

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