R18

Code No: 155DB

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year I Semester Examinations, September - 2021 SOFTWARE ENGINEERING

(Common to CSE, IT)

Time: 3 Hours Max. Marks: 75

Answer any five questions All questions carry equal marks

1.a) b)	Explain about evaluation of software engineering methodologies. What are the challenges of software engineering?	[8+7]
2.a) b)	Explain Software development process models. Write a short note on Waterfall model.	[7+8]
3.a) b)	Explain the importance of software specification of requirements. Write a short note on Context Model.	[7+8]
4.	Describe various prototyping techniques and discuss on object oriented anal modeling.	lysis and [15]
5.	Briefly explain about the following: a) Sequence diagram	
	b) Use case diagram.	[7+8]
6.	What are the design principles of a good software design? Explain.	[15]
7.a)	What is testing? Now is it different from debugging?	
b)	Explain various structural testing techniques with suitable examples.	[7+8]
8.a)	List and explain the various software quality factors.	
b)	Describe the role of software reviews in achieving good quality software.	[7+8]

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