Code No: RT32051 **R13** SET - 1

III B. Tech II Semester Supplementary Examinations, April/May - 2019

SOFTWARE ENGINEERING

(Computer Science and Engineering)

Time: 3 hours Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B)**
2. Answering the question in **Part-A** is compulsory
3. Answer any **THREE** Questions from **Part-B**

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PART-A

1.	a)	What is software? What are the development lifecycle phases?	[4M]
	b)	What is meant by system requirements?	[3M]
	c)	How do we assess the quality of software design?	[4M]
	d)	Why does software fail after it has passed from acceptance testing?	[3M]
	e)	State the importance of scheduling activity in Project management.	[4M]
	f)	Can a program be correct and still not exhibit good quality? Explain.	[4M]

PART-B

2.	a)	Elucidate the key features of the software process models with suitable examples.	[8M]
	b)	Explain how the principles underlying agile methods lead to the accelerated development and deployment of software.	[8M]
3.	a)	Requirements analysis is unquestionably the most communication intensive step in the software engineering process. Why the communication path does frequently breaks down?	[8M]
	b)	Explain the principles to be followed in data oriented analysis.	[8M]
4.	a)	Explain about conducting component level design.	[8M]
	b)	Write short note on structured design methodologies.	[8M]
5.	a)	What is regression testing? Explain how the use of automated tests and a testing framework such as JUnit simplifies regression testing.	[8M]
	b)	Explain coding documentation.	[8M]
6.	a)	Explain why the intangibility of software systems poses special problems for software project management.	[8M]
	b)	Briefly explain software configuration management.	[8M]
7.	a)	Briefly describe the three main types of software maintenance. Why is it sometimes difficult to distinguish between them?	[8M]
	b)	Write about capability maturity model and how it is used for software quality.	[8M]

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