R13

SET - 1

III B. Tech II Semester Supplementary Examinations, April -2021
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   (22 Marks)

1.	a)	Define Software Crisis.	[3M]
	b)	What is the requirement of Engineering Process?	[4M]
	c)	What you mean by Good Software Design?	[4M]
	d)	Mention the uses of Regression Testing.	[4M]
	e)	Define Software Project Management.	[4M]
	f)	List the Software Quality Factors.	[3M]

PART –B   (48 Marks)

2.	a)	Summarize the Evolution of Software Engineering Methodologies.	[8M]
	b)	Explain the phased development life cycle.	[8M]
3.	a)	Explain about Prototype Analysis with an example.	[8M]
	b)	Write short note on Requirement Specification and Requirement Validation.	[8M]
4.	a)	Summarize the Design Principles of software engineering.	[8M]
	b)	Explain about Object Oriented Analysis and Design.	[8M]
5.	a)	Narrate the Code Verification process.	[8M]
	b)	Compare the Black Box testing and White Box testing with an example.	[8M]
6.	a)	Mention the general strategies of Software Configuration Management.	[8M]
	b)	Explain about Effort Estimation Techniques.	[8M]
7.	a)	Discuss in detail about Verification and Validation Process.	[8M]
	b)	Brief note on Software Reuse.	[8M]

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