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RV COLLEGE OF ENGINEERING®
 (An Autonomous Institution affiliated to VTU)
V Semester B. E. Fast Track Examinations Oct-2020
Computer Science and Engineering
SOFTWARE ENGINEERING

*Time: 03 Hours**Maximum Marks: 100***Instructions to candidates:**

1. Answer all questions from Part A. Part A questions should be answered in first three pages of the answer book only.
2. Answer FIVE full questions from Part B. In Part B question number 2, 7 and 8 are compulsory. Answer any one full question from 3 and 4 & one full question from 5 and 6

PART-A

1	1.1	State the role of developers & project managers in software process.	02
	1.2	List the good characteristics of a good SRS.	02
	1.3	Mention the benefits & drawbacks of iterative development model.	02
	1.4	Project management process are _____, _____ & _____.	02
	1.5	State the advantages of object oriented design.	02
	1.6	List the approaches to quality management.	02
	1.7	State the differences between white box & Black box testing	02
	1.8	What are the principal objectives of V & V process	02
	1.9	List the principal dimension of dependability	02
	1.10	State any four features of Agile software development.	02

PART-B

2	a	With a neat block diagram explain waterfall model. Also, states its advantages & disadvantages.	08
	b	List and explain various functional & non functional requirements for Hospital management system.	08
3	a	Describe component software processes in detail.	08
	b	Discuss how effort estimation is done in software projects.	08
OR			
4	a	Explain any two software development process model in detail.	08
	b	Illustrate how the risk management is carried out for software projects.	08
5	a	State the differences between coupling & cohesion in detail. Also, explain inheritance coupling object oriented system.	08
	b	Discuss briefly some good programming practices.	08
OR			

6	a	List and explain the level of cohesion in detail.	08
	b	Write a short notes on: i) Test driven development ii) Pair programming.	08
7	a	Discuss the difference between verification & validation, and explain why validation is particularly a difficult process.	08
	b	Explain the terminology of reliability & reliability achievement with respect to critical system	08
8	a	Define Agile methods. List and explain the principle of Agile methods.	08
	b	Explain the extreme programming with a neat diagram.	08