



Sanjay Ghodawat University, Kolhapur

2018-19

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Year and Program: 2018-19

School of Technology

Department of Computer Science

Course Code: CST211

Course Title: Software Engineering

Semester – III

Day and Date

Tuesday 4 Dec 18

End Semester Examination (ESE)

Time: Max Marks: 100

2:30 pm to 5:30 pm

Instructions:

- 1) All questions are compulsory.
- 2) Draw suitable diagrams wherever necessary.
- 3) Figures to the right indicate full marks.

Q.1	Solve the following	Marks	Bloom's Level	CO
a)	Explain what should be the software characteristics in detail?	07	L <sub>1</sub>	CO1
	OR			
a)	Explain software myths in detail?	07	L <sub>1</sub>	CO1
b)	Explain waterfall model in detail with neat labeled diagram.	08	L <sub>2</sub>	CO2
	OR			
b)	Explain V Model with diagram.	08	L <sub>2</sub>	CO2
Q.2	Solve the following			
a)	Explain Decision Matrix with proper example.	07	L <sub>3</sub>	CO3
	OR			
a)	Explain different requirement elicitation techniques?	07	L <sub>1</sub>	CO3
b)	Explain Overview of Agile Manifesto.	08	L <sub>2</sub>	CO4
	OR			
b)	Explain Scrum Methodology with suitable diagram.	08	L <sub>2</sub>	CO4
Q.3	Solve any Two			
a)	Explain categories of computer software?	08	L <sub>1</sub>	CO1
b)	Explain process pattern with example.	08	L <sub>3</sub>	CO2
c)	Explain organization of SRS?	08	L <sub>1</sub>	CO3
d)	Explain important Agile concepts.	08	L <sub>2</sub>	CO4

<b>Q.4      Solve any Two</b>				
a)	Explain product backlog.	09	L <sub>2</sub>	CO5
b)	Explain sprint review.	09	L <sub>2</sub>	CO5
c)	Explain epic and user story with two examples.	09	L <sub>3</sub>	CO5
<b>Q.5      Solve any Two</b>				
a)	What is Statement coverage testing& Branch coverage testing? Give suitable examples.	09	L <sub>3</sub>	CO6
b)	What is system testing? Explain with all the testing strategies in system testing.	09	L <sub>1</sub>	CO6
c)	What are mutation testing& multiple condition coverage testing? Give suitable examples.	09	L <sub>3</sub>	CO6
<b>Q.6      Solve any Three</b>				
a)	Describe epics with example.	06	L <sub>2</sub>	CO5
b)	Describe scrum master.	06	L <sub>2</sub>	CO5
c)	Differentiate between Black Box Testing and White Box Testing	06	L <sub>2</sub>	CO6
d)	Describe steps for path coverage testing with example.	06	L <sub>3</sub>	CO6

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### Model Answers