

	Sanjay Ghodawat University, Kolhapur		2018-19
	Established as State Private University under Govt. of Maharashtra. Act No XL, 2017		EXM/P/09/01
Year and Program: 2018-19	School of Technology	Department of Computer Science	
Course Code: CST211	Course Title: Software Engineering	Semester - III	
Day and Date <i>Wednesday</i> <i>12/06/2019</i>	End Semester Examination (ESE)	Time: Max Marks: 100 <i>2:30 to 5:30 PM 3 Hrs.</i>	

- 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) What are different categories of computer software?	07	L ₁	CO1
	OR			
	a) Explain software myths in detail?	07	L ₂	CO1
	b) Explain Waterfall model in detail with neat labeled diagram.	08	L ₂	CO2
	OR			
	b) What is incremental model? Explain with diagram.	08	L ₁	CO2
Q.2	Solve the following			
	a) Identify requirement negotiation techniques?	07	L ₃	CO3
	OR			
	a) Build Decision Matrix with proper example.	07	L ₃	CO3
	b) Identify different agile methodologies in detail.	08	L ₃	CO4
	OR			
	b) Explain Scrum Methodology with suitable diagram.	08	L ₂	CO4
Q.3	Solve any Two			
	a) What are software characteristics in detail?	08	L ₁	CO1
	b) What is CMM? Illustrate Capability Maturity Model Integration (CMMI).	08	L ₁	CO2
	c) Construct SRS for flight management system?	08	L ₃	CO3
	d) Explain how we can identify stakeholders?	08	L ₂	CO4

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Q.4	Solve any Two			
	a) Explain product backlog.	09	L ₂	CO5
	b) Explain sprint review.	09	L ₂	CO5
	c) Identify steps to create product roadmap.	09	L ₃	CO5
Q.5	Solve any Two			
	a) Distinguish Statement coverage testing & Branch coverage testing with suitable examples.	09	L ₄	CO6
	b) What is system testing? Explain all testing strategies in system testing.	09	L ₂	CO6
	c) Compare mutation testing & multiple condition coverage testing with suitable examples.	09	L ₄	CO6
Q.6	Solve any Three			
	a) Explain epic and user stories with example.	06	L ₂	CO5
	b) Explain role of scrum master.	06	L ₂	CO5
	c) Explain integration testing	06	L ₂	CO6
	d) Identify steps for path coverage testing with example.	06	L ₃	CO6

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