

B.Sc. (I.T) Sem-V Examination Oct/Nov. 2019**Subject: - Software Engineering****Paper Code: CC-505****Subject Code: 21543****Time 02:30hrs****Total Marks: 70****Note: - You have to give answer of MCQ/Short Questions in one or two lines only.**

Q-1	What is software engineering? Write a note on approach of software engineering	14
	Or	
Q-1(A)-(i)	Write a note on waterfall process model.	07
Q-1(A)-(ii)	Explain software and its nature.	07
Q-1(B)	Answer the following (Any Four out of six)	04
	i. _____ process model also know as classical life cycle model	
	ii. Definition of software engineering	
	iii. Draw the diagram of spiral process model	
	iv. Definition of software	
	v. _____ process model has risk management concept.	
	vi. Which process model is also known as throw away approach process model?	
Q-2	Explain formal and informal approach in problem analysis.	14
	Or	
Q-2(A)-(i)	Briefly explain need of SRS	07
Q-2(A)-(ii)	Write a detail note on Risk management.	07
Q-2(B)	Answer the following (Any Four out of six)	04
	i. SRS stands for _____	
	ii. List the structure of SRS	
	iii. Give the full form of RMMM	
	iv. Risk management is one of the most important jobs for a _____ a) client b) developer c) team leader d) project manager	
	v. Which phases are defined in Quality assurance plan?	
	vi. List the quality of SRS.	
Q-3	Explain programming practice in the concept of testing fundamental.	14
	Or	
Q-3(A)-(i)	Write a note on level of testing.	07
Q-3(A)-(ii)	Explain types of testing in detail.	07
Q-3(B)	Answer the following (Any Four out of Five)	03
	i. Give the full form of U.T , I.T, S.T and A.T	
	ii. Define error fault and failure	
	iii. White box testing can applied at the acceptance testing.(state true or false)	
	iv. Draw diagram of Test oracle.	
	v. Write down any two advantages and disadvantages of Black box testing.	
Q-4	Do case study on Hotel Management system using UML diagram.	14
	Or	
Q-4(A)-(i)	Write a note on UML.	07
Q-4(A)-(ii)	Write a short note on Use case and activity diagram in detail.	07
Q-4(B)	Answer the following (Any Four out of Five)	03
	i. Draw the notation of Use-case diagram	
	ii. How many components are there does contain in UML? List out it.	
	iii. UML stands for _____	
	iv. List out the relationship in UML.	
	v. List out the things in UML building block.	