

Nov – Dec 2022				
(B.Tech.) Program: Information Technology				
Examination: SY Semester: III				
Course Code: ITC305 and Course Name Foundations of Software Engineering				
Duration: 02 Hours			Max. Marks: 45	
Instructions: (1) All questions are compulsory. (2) Draw neat diagrams wherever applicable. (3) Assume suitable data, if necessary.				
		Max. Marks	CO	BT level
<b>Q 1</b>	<b>Solve any 5 questions out of six.</b>	<b>15</b>		
i)	Define Software Engineering.	3	CO1	U
ii)	Explain purpose of SRS.	3	CO2	U
iii)	Explain benefits of Gantt Chart.	3	CO3	U
iv)	Write a benefit of using UML diagram.	3	CO4	U
v)	Write a short note on class diagram.	3	CO5	U
vi)	Explain purpose of using Software Quality Testing	3	CO6	U
<b>Q.2</b>	<b>Solve any three questions out of four.</b>	<b>15</b>		
i)	Explain Waterfall Model with the help of example	5	CO1	U
ii)	Write Functional & Non-Functional requirement of online ticket Booking	5	CO2	U
iii)	Explain SDLC in details	5	CO1	U
iv)	Explain PERT/CPM	5	CO3	U

<b>Q.3</b>	<b>Solve any three questions out of four.</b>	<b>15</b>		
i)	Draw activity diagram for library management system.	5	CO4	AN
ii)	Explain state chart diagram for hotel management system.	5	CO5	AN
iii)	Explain different type of Dynamic Testing in details	5	CO6	U
iv)	Explain Strategic Approach of quality testing.	5	CO5	U

\*\*\*\*\*