

**ANURAG Engineering College**

(An Autonomous Institution)

III B.Tech II Semester Regular/Supplementary Examinations, June/July-2024

**SOFTWARE ENGINEERING**

(COMMON TO CE, EEE, ME, ECE)

**Time: 3 Hours****Max. Marks: 75****Section – A (Short Answer type questions)****(25 Marks)****Answer All Questions**

	<b>Course Outcome</b>	<b>B.T Level</b>	<b>Marks</b>
1. Describe five desirable characteristics of a good software requirement specification document.	CO1	L1	2M
2. What are the software myths.	CO1	L2	3M
3. What is requirement elicitation and analysis?	CO2	L1	2M
4. Explain waterfall model.	CO2	L2	3M
5. Give an overview of various system models.	CO3	L1	2M
6. What is design process and design quality?	CO3	L2	3M
7. Define strategic approaches in software testing.	CO4	L1	2M
8. What is design class-based components and object-oriented metrics?	CO4	L2	3M
9. Define quality management in software engineering.	CO5	L1	2M
10. Distinguish risk projection and risk refinement.	CO5	L2	3M

**Section B (Essay Questions)****Answer all questions, each question carries equal marks.****(5 X 10M = 50M)**

11. A) Explain process patterns and process assessment	CO1	L2	10M
<b>OR</b>			
B) Explain CMMI and its levels in detail.	CO1	L3	10M
12. A) Explain in detail evolutionary process model.	CO2	L2	10M
<b>OR</b>			
B) Discuss about Requirements management and its process.	CO2	L3	10M
13. A) Briefly explain behavioral models and data models.	CO3	L2	10M
<b>OR</b>			
B) Explain about performing user interface design and golden rules.	CO3	L3	10M
14. A) Explain different testing strategies in software engineering.	CO4	L2	10M
<b>OR</b>			
B) Explain white box testing and Black box testing.	CO4	L3	10M
15. A) Illustrate various metrics for process and products.	CO5	L2	10M
<b>OR</b>			
B) Explain about quality concepts in RMMM plan.	CO5	L3	10M