

**ANURAG Engineering College**

(An Autonomous Institution)

III B.Tech I Semester Regular/Supplementary Examinations, Dec-2023/Jan-2024

**SOFTWARE ENGINEERING**

(COMPUTER SCIENCE AND ENGINEERING)

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

	Course Outcome	B.T Level	Marks
1. What are software engineering applications	CO1	L1	2M
2. Explain software myth	CO1	L2	3M
3. What are the merits of incremental model	CO2	L1	2M
4. What are the differences between functional requirements and non-functional requirements	CO2	L1	3M
5. What is object model	CO3	L1	2M
6. Explain design concept	CO3	L2	3M
7. What are the metrics used for software maintenance	CO4	L1	2M
8. Write a short note on black box testing	CO4	L2	3M
9. Differentiate between reactive risk and proactive risk strategies	CO5	L1	2M
10. What is software reliability and how this parameter helps in managing software quality	CO5	L2	3M

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

11. A) Elaborate on the changing nature of software in detail.	CO1	L2	10M
<b>OR</b>			
B) Explain CMMI model with a neat sketch	CO1	L2	10M
12. A) Explain waterfall model with its merits and demerits.	CO2	L2	10M
<b>OR</b>			
B) Explain clearly about software requirements document	CO2	L2	10M
13. A) Give an overview of various system models	CO3	L2	10M
<b>OR</b>			
B) Explain golden rules of user interface design	CO3	L2	10M
14. A) Explain Validation and system testing	CO4	L2	10M
<b>OR</b>			
B) Explain class and object-oriented metrics	CO4	L2	10M
15. A) Explain about risk projection and risk management	CO5	L2	10M
<b>OR</b>			
B) Write a detailed note on ISO 9000 quality standards	CO5	L2	10M