

ANURAG Engineering College

(An Autonomous Institution)

II B.Tech. I Semester Regular/Supplementary Examinations, December-2024

SOFTWARE ENGINEERING

(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

Time: 3 Hours

Max. Marks: 60

Section – A (Short Answer type questions)

Answer All Questions

(10 Marks)

	Course Outcome	B.T Level	Marks
1. What is software engineering?	CO1	L1	1M
2. List the types of software myths?	CO1	L1	1M
3. Explain functional requirements?	CO2	L1	1M
4. How requirements are managed?	CO2	L1	1M
5. What are the goals of UML?	CO3	L1	1M
6. What is the need of design engineering in software engineering?	CO3	L1	1M
7. What is regression testing?	CO4	L1	1M
8. Compare verification and validation?	CO4	L1	1M
9. What is SQA?	CO5	L1	1M
10. What is software reliability?	CO5	L1	1M

Section B (Essay Questions)

Answer all questions, each question carries equal marks.

(5 X 10M = 50M)

11. A) Explain in detail the capability Maturity Model integration (CMMI)?	CO1	L2	10M
OR			
B) Describe with the help of the diagram discuss in detail waterfall model. Give certain reasons for its failure?	CO1	L3	10M
12. A) Discuss system requirements in a detail manner?	CO2	L3	10M
OR			
B) Discuss briefly how requirement validation is done?	CO2	L3	10M
13. A) Describe basic structural modelling.	CO3	L3	10M
OR			
B) Explain about architectural styles and pattern?	CO3	L2	10M
14. A) Write about Metrics for software Quality?	CO4	L2	10M
OR			
B) Discuss black box testing in a detailed view?	CO4	L3	10M
15. A) Explain about software risks in detail?	CO5	L3	10M
OR			
B) Describe about Quality concepts?	CO5	L2	10M