

ANURAG Engineering College

(An Autonomous Institution)

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

SOFTWARE ENGINEERING**(ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)****Time: 3 Hours****Max. Marks: 60****Section – A (Short Answer type questions)****(10 Marks)****Answer All Questions**

	Course Outcome	B.T Level	Marks
1. What are the challenges in software?	CO1	L1	1M
2. What are the layers of software engineering	CO1	L1	1M
3. What are the non-functional requirements of software?	CO2	L1	1M
4. What is meant by system requirements?	CO2	L1	1M
5. Explain the design methodologies	CO3	L2	1M
6. Define software reliability in the context of software engineering.	CO3	L1	1M
7. Will exhaustive testing guarantee that the program is 100% correct? Explain.	CO4	L2	1M
8. What is validation testing	CO4	L1	1M
9. State one key benefit of adhering to the ISO 9000 Quality Standards in software development.	CO5	L2	1M
10. What the concepts of quality	CO5	L1	1M

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

11. A) Define software engineering. What are the challenges of software engineering?	CO1	L3	10M
OR			
B) Explain about software myths	CO1	L2	10M
12. A) Requirements analysis is unquestionably the most communication intensive step in the software engineering process. Why does the communication path frequently break down?	CO2	L2	10M
OR			
B) Explain requirements management	CO2	L2	10M
13. A) What are the design principles? Explain in detail.	CO3	L2	10M
OR			
B) Explain about architectural design	CO3	L2	10M
14. A) What are the benefits of involving users in release testing at an early stage in the testing process? Are there disadvantages in user involvement?	CO4	L2	10M
OR			
B) Explain the art of debugging	CO4	L2	10M
15. A) What is Software Quality Assurance (SQA)? Describe its role in ensuring high-quality software products.	CO5	L2	10M
OR			
B) Discuss the challenges associated with conducting effective software reviews and suggest strategies to overcome them.	CO5	L2	10M