

**ANURAG Engineering College**

(An Autonomous Institution)

**III B.Tech I Semester Supplementary Examinations, June/July - 2024****SOFTWARE ENGINEERING****(COMPUTER SCIENCE AND ENGINEERING)****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. Give the importance of software engineering.	CO1	L1	2M
2. Define software engineering paradigm.	CO1	L2	3M
3. Write the distinct steps in requirements engineering process?	CO2	L1	2M
4. Distinguish between expected requirements and excited requirements.	CO2	L2	3M
5. List out the objectives of software design?	CO3	L1	2M
6. What is a data model?	CO3	L2	3M
7. What are the roles of testing tools?	CO4	L2	2M
8. Distinguish between alpha and beta testing?	CO4	L1	3M
9. What is proactive risk strategy?	CO5	L2	2M
10. Explain risk refinement?	CO5	L2	3M

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

11. A) List out the characteristics of a software and explain them?	CO1	L3	10M
<b>OR</b>			
B) Explain three software myths and explain them?	CO1	L2	10M
12. A) Explain in detail Boehm's spiral model for software life cycle.	CO2	L2	10M
<b>OR</b>			
B) Explain incremental process model in detail?	CO2	L2	10M
13. A) What is a Component? List out the three views of a component and explain them?	CO3	L3	10M
<b>OR</b>			
B) Explain in detail about software characteristics of good design.	CO3	L2	10M
14. A) What is black box testing? Is it necessary to perform this? Explain various test activities?	CO4	L3	10M
<b>OR</b>			
B) Explain the testing procedures for boundary conditions.	CO4	L2	10M
15. A) List out 5 software quality metrics and explain them?	CO5	L3	10M
<b>OR</b>			
B) Discuss about the ISO-9000 standards in software quality management.	CO5	L3	10M