School of Computing Science and Engineering
B.Tech CSE
ETE - Jun 2023

Time : 3 Hours   **Marks : 50**

Sem VIII - MCAN1240 - Software Engineering and Testing
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1.	Summarize the functional and object oriented design of the software.	K4 CO2 (2)
2.	Illustrate the level 2 DFD for the college management system.	K4 CO2 (2)
3.	Compare between Re-engineering and Reverse engineering.	K1 CO1 (2)
4.	Categorize the various types of maintenance.	K2 CO1 (2)
5.	What do you mean by software and software engineering?	K3 CO2 (2)
6.	Identify the properties of organic, semi-detached and embedded COCOMO models projects.	K4 CO3 (5)
7.	Distinguish among the fault, error, bug and failure related to software.	K6 CO3 (6)
8.	Classify the various phases of the waterfall model and list out the difference between waterfall model and iterative enhance model.	K3 CO3 (5)
9.	Examine the values of effort, time and person required to complete the given categoery of projects for the basic type of COCOMO model. Provided line of codes is 10000.	K4 CO4 (8)

Software Project	a	b	c	d
Organic	2	1	2	1
Semi-detached	3	2	3	1
Embedded	4	2	2	1

10.	List out the different types of cohesions and describe them briefly.	K5 CO4 (8)
11.	Classify the various phases of the Spiral model and list out the difference between Spiral model and waterfall model.	K5 CO4 (8)