

VAAGDEVI ENGINEERING COLLEGE

P.O. BOLLIKUNTA KHILAS, WARANGAL (M) WARANGAL - 506 005

(AUTONOMOUS)

II YEAR B.TECH I SEM R23 REG. I MID TERM EXAMINATIONS SEP - 2024

Department of CSE (AI&ML)

Sub: SOFTWARE ENGINEERING

SET - 3

Date: 19.09.2024

Session: F N

Time: 10.00 AM - 12.00 PM

Max. Marks: 30

Note: This question Paper contains two parts. Part A & B

Assessment Summary :

Remember	Understand	Apply	Analyze	Evaluate	Create	Total
5	10	5	5	---	5	30

Cos

Course Outcomes for Assessment in this Test:

1

Understand and develop digital logic.

2

Analyze design and implement combinational logic circuits

3

Analyze design and implement Sequential logic circuits

4

Design of Arithmetic and Memory Circuits.

PART - A

(10 X 1 = 10 Marks)

CHOOSE THE CORRECT ANSWER

Q. No.	Questions	Marks	CO	BL
1	What is the first step in the software development lifecycle? a) System Design b) Coding c) System Testing d) Preliminary Investigation and Analysis	1	CO 1	BL- 1
2	Software is defined as _____ i) set of programs, documentation & configuration of data j) set of programs k) documentation and configuration of data l) All of the above	1	CO 1	BL- 2
3	Attributes of good software is _____ i) Development b) Maintainability & functionality c) Functionality d) Maintainability	1	CO 1	BL- 1
4	One of the layered technology is? [] a) Simplicity b) Tools c) Modularity d) All of the above	1	CO 2	BL- 1
5	What does SDLC stands for ? [] a) System Design Life Cycle j) Software Design Life Cycle k) Software Development Life Cycle l) System Development Life cycle	1	CO 1	BL- 2

FILL IN THE BLANKS



6	Software is a set of _____ that when executed provide desired function and performance	1	CO 2	BL -1
7	Trees and Graphs are _____ data structures.	1	CO 1	BL -2
8	In Water fall model, the phases involved in the software development are organized in _____	1	CO 1	BL -2
9	The document produced at the end of the requirements phase of software development cycle is known as _____	1	CO 2	BL -2
10	SRS stands for _____	1	CO 1	BL -2

PART – B (4 X 5 = 20 Marks)
ANSWER ANY FOUR OF THE FOLLOWING

Q. No.	Questions	Marks	CO	BL
1.	Discuss in brief about the Agile model ?	5	CO 1	BL- 2
2.	What is CMMI explain briefly about various levels of CMMI ?	5	CO 1	BL-1
3.	Explain about Functional and Non-Functional requirements ?	5	CO 1	BL- 3
4.	What are user requirements and system requirements?	5	CO 2	BL-2
5.	Write about Software requirements document(SRD)?	5	CO 2	BL- 4
6.	Explain about design quality and design concepts?	5	CO 3	BL -6

Assessment Summary

Cos	Remember	Understand	Apply	Analyze	Evaluate	Create	Total
1	5	5	5				
2		5					
3				5			15
4						5	10
							5