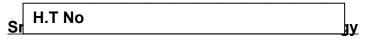


Code No: 7F404



(An Autonomous Institution)

Regulations: A18

Date: 07-Alug-Հսշծ (г ៧)

B.Tech II-Year II- Semester External Examination, Aug - 2023 (Supplementary) SOFTWARE ENGINEERING AND OOAD (CSE and IT)

Time: 3 Hours Max.Marks:70

Note: a) No additional answer sheets will be provided.

- b) All sub-parts of a question must be answered at one place only, otherwise it will not be valued.
- c) Missing data can be assumed suitably.

Bloom's Cognitive Levels of Learning (BCLL)

Remember	L1	Apply	L3	Evaluate	L5
Understand	L2	Analyze	L4	Create	L6

Part - A	Max.Marks:20
ANSWED ALL OLIESTIONS	

		BCLL	CO(s)	Marks
1	Describe the Characteristics of Software.	L1	CO1	[2M]
2	What is Multiplicity. Explain this concept with example.	L2	CO2	[2M]
3	List out the characteristics of good SRS document.	L1	CO3	[2M]
4	What is reverse Engineering? Illustrate a situation when this is performed	L4	CO4	[2M]
	for a product?			
5	What are the 4 basic components of Behavior Modelling?	L1	CO5	[2M]
6	What is an Event? List various types of events in UML.	L1	CO6	[2M]
7	What does a CMMI do? What are the 5 stages of maturity model?	L1	CO1	[2M]
8	What are the various static diagrams in UML?	L1	CO2	[2M]
9	What is the importance of state machines?	L1	CO6	[2M]
10	What is user requirements and system requirements?	L1	CO3	[2M]

Part – B Max.Marks:50 ANSWER ANY FIVE QUESTIONS. EACH QUESTION CARRIES 10 MARKS.

ANSWER ANY FIVE QUESTIONS. EACH QUESTION CARRIES 10 MARKS.					
11.	,	Discuss in brief about different Management and Customer Myths. Explain changing nature of software in detail.	BCLL L6 L2	CO(s) CO1	Marks [5M] [5M]
12.	,	Illustrate various notations of UML diagrams in detail. Briefly explain Software development lifecycle.	L4 L2	CO2 CO2	[5M] [5M]
13.	,	List out the types of SDLC models and explain spiral model of software engineering process. Compare and contrast Functional and Non-functional requirements with example.		CO3	[5M]
14.	a)	What is an object diagram in UML? What are the elements of an Object diagrams? Design an object diagrams for online shopping system.	L6	CO4	[5M]

b) What are the common Modelling techniques for object diagram?

CO4

[5M]

15.	a)	What is activity diagram? design a Activity diagram for library management system.	L6	CO5	[5M]
	b)		L5	CO5	[5M]
16.	a)	What is the Purpose of State Chart Diagram? Draw a state chart machine for Hospital; Management system.	L6	CO6	[5M]
	b)	What does the component diagram represent? Explain with an example.	L2	CO6	[5M]
17.	a)	Explain the dual role of a Software. Distinguish between system software and embedded software.	L2	CO1	[4M]
	b)	What are different types of relationships used in UML? Explain anyone with an example.	L1	CO2	[3M]
	c)	Compare between incremental and Spiral model with an neat diagrams.	L5	CO3	[3M]
18.	a)	What is Class Diagram? Design a class diagram for Hotel Management system.	L6	CO4	[4M]
	b)	justify your answer with an example "Whether Uses case diagram is static diagram or dynamic diagram"	L5	CO5	[3M]
	c)	What is deployment diagram? Draw the deployment diagram for online trading system.	L6	CO6	[3M]