

**Code No: 8F404**

**Date: 30-July-2022 (T.M)**

**B.Tech II-Year II- Semester External Examination, July/August - 2022 (Regular)**

**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.

**ANSWER ANY 5 OUT OF 8 QUESTIONS. EACH QUESTION CARRIES 14 MARKS.**

**Bloom's Cognitive Levels of Learning (BCLL)**

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

		BCLL	CO(s)	Marks
1.	a) Summarize various levels of CMMI.	L6	CO1	[7M]
	b) "Software Engineering is a layered technology"-justify.	L5	CO1	[7M]
2.	a) Determine various phases of software development life cycle in UML? explain with a neat diagram.	L5	CO2	[7M]
	b) Analyze various classes and relations used in software development .give examples.	L4	CO2	[7M]
3.	a) Discuss prototyping based development model. write its pros and cons.	L2	CO3	[7M]
	b) Explain Requirements Engineering Tasks.	L6	CO3	[7M]
4.	a) Demonstrate various modeling techniques for class diagrams.	L3	CO4	[7M]
	b) Summarize about object diagrams .Give example.	L6	CO4	[7M]
5.	a) List and explain the types of interaction diagrams.	L1	CO5	[7M]
	b) Compare activity and use case diagram give example.	L5	CO5	[7M]
6.	a) Distinguish between various types of events and signals.	L2	CO6	[7M]
	b) What is software component? Explain the different views of software components.	L2	CO6	[7M]
7.	a) Show that "Waterfall model is a linear model".	L3	CO1	[5M]
	b) Draw software architecture diagram explain its components.	L4	CO2	[5M]
	c) Name and explain the various umbrella activities.	L1	CO3	[4M]
8.	a) Discuss various pros and cons of deployment diagram.	L2	CO4	[5M]
	b) Draw sequence diagram in UML with example.	L4	CO5	[5M]
	c) Write short notes on Interfaces and packages.	L1	CO6	[4M]

-- 00 -- 00 --