Code No: 7F404   **Date: 30-July-2022 (FN)**

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

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 --