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G. H. Raisoni College of Engineering and Management, Pune.
(An Autonomous Institution)
T.Y B. Tech (Computer Engineering) (Term-V)
CAE-I Winter-2022 (2020 Pattern)

UITL301: Software Engineering and Project Management

[Max. Marks-15]

[Time:1 Hour]

COURSE OUTCOME:

- CO1: Identify the key activities in managing a software project.
- CO2: Compare different process models.
- CO3: Understand the Concepts of requirements engineering and Analysis Modeling.
- CO4: Apply systematic procedure for software design and deployment
- CO5: Apply the methodology of different types of testing.

Instructions to the candidates:

1. All questions compulsory.
2. Neat diagrams must be drawn wherever necessary.
3. Figures to the right indicate full marks.
4. Assume suitable data, if necessary

Q.	Sub	Marks	CO's	Level
1.	A) Why waterfall model of the software engineering is not an accurate reflection of software development activities? Justify.	[5]	CO1	L3
	B) Elaborate V-Model and incremental model?	[5]	CO2	L4
	OR			
	C) Suppose project was estimated to be 400 KLOC. Calculate the effort and development time for organic, semidetached, embedded mode?	[5]	CO2	L3

Mode	a	b
organic	2.4	1.05
Semi-detached	3.0	1.12
embedded	3.6	1.20

2. A) For online banking system which SDLC model is used? Why? And list out functional and non-functional requirement. [5] CO4 L5

C D
2.5 0.32
2.5 0.35
2.5 0.32