Total No. of Questions – [06]

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G.R. No.	

DECEMBER 2021 - ENDSEM EXAM

T. Y. B. TECH. (E&TC) (SEMESTER - I)

COURSE NAME: Software Engineering

COURSE CODE: ETUA31183C

(PATTERN 2018)

Time: [1Hr]

[Max. Marks: 30]

Instructions to candidates:

1) **Answer Q.1 OR Q.2, Q.3 OR Q.4, Q.5 OR Q.6.**
2) **Figures to the right indicate full marks.**
3) **Use of scientific calculator is allowed**
4) **Use suitable data where ever required**

Q.1 a)	Justify that cohesive design should have high cohesive and low coupling	[4]
Q.1 b)	Illustrate data centered architecture in details	[6]
	OR	
Q2 a)	Justify that data flow architecture achieves the qualities of reuse and modifiability	[4]
Q2 b)	Illustrate Design Evaluation Cycle	[6]
Q.3 a)	Compare Testing & Debugging in details	[4]
Q.3 b)	Illustrate Bottom up integration testing strategy in detail	[6]
	OR	
Q.4 a)	Differentiate alpha testing and Beta testing	[4]
Q.4 b)	Draw the control flow graph for finding leap year and derive the test cases using cyclomatic complexity	[6]
Q.5 a)	Differentiate reactive and proactive risk strategies	[4]
Q.5 b)	Illustrate steps of risk management process in project development	[6]
	OR	
Q.6 a)	Identify project factors to be consider when structuring a software development team	[4]
Q.6 b)	Categorize different types of the risk in software project development	[6]