Roll No. _____

END SEMESTER EXAMINATION
SEMESTER- IV(BACKLOG)

COURSE CODE : CSE504 | **DURATION : 3 (THREE)HRS**
COURSE TITLE : SOFTWARE ENGINEERING | **MAXIMUM MARKS : 75**
SESSION : JULY-DEC'2021 | **PASS MARKS : 35 %**

NOTE: *1. Attempt any **5 (five)** questions.*
2. Mark for each question is shown against it.
3. Assume suitable logical data wherever necessary.

1.	**(a)**	What is software engineering? Describe the evolving role of the software.	**(1+4)**
	(b)	Explain waterfall model of a software lifecycle.	**(5)**
	(c)	What do you mean by prototyping? What are the steps involved processing a prototype.	**(2+3)**
2.	**(a)**	Write a short note on a spiral model.	**(5)**
	(b)	What is requirement engineering? What are the step processes of requirement engineering?	**(1+4)**
	(c)	What do you mean by the requirement elicitation process, explain it.	**(5)**
3.	**(a)**	What are the main contents of SRS?	**(4)**
	(b)	What are the roles and attributes of system analyst?	**(5)**
	(c)	What is SDLC? Explain the phases of SDLC.	**(6)**
4.	**(a)**	What is structured analysis?	**(3)**
	(b)	Differentiate between physical DFD and logical DFD	**(4)**
	(c)	Explain the object oriented modeling and its all objects.	**(8)**
5.	**(a)**	What are the three levels of software design?	**(6)**
	(b)	what are the set of fundamentals design concepts , enlist them.	**(5)**
	(c)	What are the five views of software quality?	**(4)**
6.	**(a)**	Difference between black box testing vs white box testing	**(5)**
	(b)	Distinguish between verification and validation	**(5)**
	(c)	What are the different types of testing available in software engineering?	**(5)**
7.	**(a)**	Why there is a need of software project management, explain.	**(3)**
	(b)	What are the responsibilities of software project manager?	**(4)**
	(c)	Write short note on COCOMO	**(8)**
8.	**(a)**	What are the important project management activities?	**(6)**
	(b)	What is the software risk management in software engineering?	**(5)**
	(c)	What are the different project management tools used in the software	**(5)**

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