

## Continuous Assessment Test (CAT) - 11 - Apr 2024

Programme	B. Tech.	Sem	Winter 2023-2024
Course Code	BCSE301L Software Engineering	Slot	C2+1C2
& Title	Software Engineering  ILAKIYASELVAN N  PRAKASH B  ALOK CHAUHAN  JAYANTHI R  SUGANESHWARI  RAMA PRABHA  BRINDHA  REVATHI  SMRITHY  SRINIVASA PERUMAL R	Class Nbr	CH2023240501963 CH2023240501965 CH2023240501966 CH2023240501968 CH2023240501969 CH2023240501513 CH2023240501972 CH2023240501973 CH2023240501974 CH2023240501975 CH2023240501975 CH2023240501976.
Duration	ELAKIA E 1½ Hours	Max. Mark	

- Write only your registration number on the question paper in the box provided and do not write other information. General Instructions:
- Use statistical tables supplied from the exam cell as necessary
- Use graph sheets supplied from the exam cell as necessary
- Only non-programmable calculator without storage is permitted

## Answer all questions

Description

	Sub	Description Chivers swipe	
Q. No 1.	Sec	driver may then take the receiver seredit card account is debited with the hose is returned to its holster, the driver's credit card account is debited with the pump hose is returned to its holster, the driver's credit card account is debited with the pump hose is returned to its holster, the driver's credit card account is debited with the pump hose is returned to its holster, the driver's credit card account is debited with the pump hose is returned to its holster, the driver's credit card account is debited with the pump hose is returned to its holster, the driver's credit card account is debited with the pump hose is returned to its holster, the driver's credit card account is debited with the pump hose is returned to its holster, the driver's credit card account is debited with the pump hose is returned after debiting. If the card is invalid, the pump	10
		As a Software Engineer, elaborate on the requirement management process for the Agile method for the given scenario.	
2.		To help monitor climate change and to improve the accuracy of weather remote areas, the government of a country decides to deploy several hundred weather stations in remote areas. Weather stations are part of a larger system, which is a weather stations in remote areas. Weather stations are part of a larger system, which is a weather stations in remote areas. Weather stations and makes it available to information system that collects data from weather station includes a number of instruments other systems for processing. Each weather station includes a number of instruments weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather parameters such as wind speed and direction, ground and air that measure weather station includes a number of instruments are that the parameter station includes a number of instruments are that the parameter station includes a number of instruments are that the parameter station includes a number of instruments are the parameter station includes a number of instruments are the parameter station includes a number of instruments are the parameter station includes a number of instru	

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	a. Identify the suitable software architecture style with proper justification for the given scenario. List down its advantages and limitations.  b. As a software designer, prepare a class diagram for the given system by identifying the class entities with all possible relationships and cardinalities.	10
3.	Consider designing a banking system software. The system is responsible for managing customer details, customer account details (checking account and savings account), loans, and transactions. Customer account is generalized into checking and savings accounts. Each customer can have multiple accounts. Each account belongs to one customer. The same condition applies to the loan as well. The system helps the customer to perform various banking transactions using the Internet banking portal.  a. Identify and elaborate on the various types of software requirements for the given system.  b. For the given scenario, design the sequence diagram for the fund transfer process.	10

\*\*\*\*\*\*\*\*\*\*\*\*All the best \*\*\*\*\*\*\*\*\*