SIDDHARTH GROUP OF INSTITUTIONS :: PUTTUR

Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code : Object Oriented Analysis and Design(Using UML)(16MC812)

Course : MCA   **Year & Sem:** II-MCA & I- Sem   **Regulation:** R16

UNIT –I

1		Explain in detail about the conceptual model of the unified modeling language.	12M
2	(a)	Explain about principles of modeling.	6M
	(b)	Explain about software development modeling.	6M
3	(a)	Explain how you model system architecture.	6M
	(b)	What is modeling? Explain the importance and principals of modeling.	6M
4		Write about UML building blocks.	12M
5	(a)	Discuss object oriented modeling.	6M
	(b)	Describe the behavioral things in the model.	6M
6	(a)	Describe the structural things in the model.	6M
	(b)	Describe UML applications?	6M
7	(a)	Explain an overview of UML.	6M
	(b)	Briefly describe the diagrams in the UML?	6M
8		Discuss Rules and common mechanisms in UML.	12M
9	(a)	Discuss about relationships in UML.	6M
	(b)	Explain grouping and annotational things.	6M
10		Discuss UML overview.	12 M

UNIT –II

1		Write about modeling techniques for class diagram.	12M
2	(a)	Discuss terms and concepts of class diagram.	6M
3	(b)	How do you model an object diagram?	6M
	(a)	Discuss terms and concepts of object diagram.	6M
4	(a)	How do you model a class diagram?	6M
	(b)	Discuss in detail about advanced relationships.	12M
5	(a)	What is classifier? Explain different classifiers in detail.	6M
	(b)	Explain forward and reverse engineering.	6M
6		Write short note on advanced classes.	12M
7		Draw and explain class diagram for "withdraw money from ATM".	12M
8		What is an interface? Discuss common modeling techniques for an interface.	12M
9		Write about packages.	12M
10		Discuss about relationships.	12M

UNIT –III

1		Write about i).Links ii). Messages in interactions	12M
2	(a)	Explain terms and concepts of interaction diagram.	6M
	(b)	Draw a sequence diagram for "register a student in a school".	6M
3		What is activity diagram? Explain the architecture of ATM using activity diagram.	12M
4		Enumerate the steps to model a work flow with reference to a activity diagram.	12M
5		What is use case diagram? Explain the architecture of "Railway Reservation System" using use case diagram.	12M
6	(a)	Draw and explain sequence diagram for constructing building.	6M
	(b)	Discuss common modeling techniques for interaction diagram.	6M
7		Write about common modeling techniques for use case and activity diagrams.	12M
8		Write about terms and concepts of class and object diagrams.	12M
9	(a)	Draw and explain sequence diagram for "with draw money from ATM".	6M
	(b)	Differentiate sequence and collaboration diagrams.	6M
10		Write common modeling techniques for class and object diagrams.	12M

UNIT –IV

1		Write about component diagram.	12M
2	(a)	What is an event? Explain event with an example.	6M
	(b)	Enumerate the steps to model inter process communication.	6M
3		Describe about deployment diagram.	12M
4		Explain in detail about modeling a time constraint.	12M
5	(a)	Write about terms and concepts of deployment.	6M
	(b)	Write about terms and concepts of component.	6M
6	(a)	Differentiate event and signals.	6M
	(b)	Write short notes on state chart diagrams.	6M
7		Draw and explain deployment and component diagrams for "Library Management System"	12M
8		Discuss about processes and threads.	12M
9	(a)	Write short notes on state machines.	6M
	(b)	Draw state chart diagram for " Railway Ticket Reservation".	6M
10		Discuss component and deployments.	12M

UNIT –V

1.		Discuss about patterns and frame works.	12M
2.	(a)	Give brief description about modeling of libraries.	6M
	(b)	Draw and explain component diagram for ATM.	6M
3		Write short notes on artifact diagrams.	12M
4		Draw use case and class diagram for Library applications.	12M
5		Differentiate patterns and frame works.	12M
6		Draw and explain sequence and collaboration diagrams for College Information System.	12M
7		Draw and explain use case and state chart diagrams for railway Reservation System.	12M
8		Discuss common modeling techniques for patterns and framer works.	12M
9		Draw and explain component and deployment diagrams for "Deposit money through ATM"	12M
10		Using an artifact diagram explain the unified library applications.	12M

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