

KLS Gogte Institute of Technology, Belagavi

KLS Gogte Institute of Technology, Belagavi
Department of Information Science and Engineering
Academic Year: 2022-2023(ODD SEM)

IA Test - I

Subject: Object Oriented Modeling and Design

Max. Marks: 25 marks

Semester: 5th

Date: 15/12/2022

Code: 18IS52

Duration: 1 Hr

Instructions: 1. Answer Any Five questions out of seven

Q. No.		[L]	[CO]	[PO]	[M]
1	Explain the object orientation. Demonstrate classification process in object orientation.	(2)	(1)	(1)	(5)
2	Consider the Web based inventory control system; discuss the object oriented methodology in brief for the given problem statement.	(2,3)	(1)	(2)	(5)
3	What are the different viewpoints in modeling the system? How do you describe a system from different viewpoint?	(2)	(1)	(1)	(5)
4	Prepare class diagram for web based inventory control system with proper UML notations.	(3)	(2)	(3)	(5)
5	Draw state diagram for different modes of mobile device. Explain briefly.	(3)	(2)	(2)	(5)
6	What is an event? Illustrate an event for change and time with appropriate example.	(2)	(1)	(1)	(5)
7	Consider the example of soil checking for crop management system and draw the state diagram for the same.	(3)	(2)	(3)	(5)

Staff In-charge signature:

IQAC member's Signature:

KLS Gogte Institute of Technology, Belagavi
Department of Information Science and Engineering
Academic Year: 2022-2023(ODD SEM)

IA Test - II

Subject: Object Oriented Modeling and Design
Code: 18IS52

Max. Marks: 25 marks

Semester: 5th

Date: 23/01/2023

Duration: 1 Hr

Instructions: 1. Answer Any Five questions out of seven

Q. No.		[L]	[CO]	[PO]	[M]
1	Explain the following concepts: i) submachine ii) Signal generalization iii) Concurrency within an object.	(2)	(1)	(1)	(5)
2	Explain the use case diagram. Identify 5 use cases for windows explorer.	(2,3)	(2)	(2)	(5)
3	Consider a computer Email system. Apply Use case diagram for identifying requirements.	(3)	(2)	(2)	(5)
4	Consider an online stock broker system. Prepare sequence diagram for the same.	(3)	(2)	(3)	(5)
5	Explain the importance of Interaction Modeling. Illustrate how activity diagram helps in modeling system.	(2)	(2)	(2)	(5)
6	Illustrate the process involved in domain analysis with proper block diagram.	(2)	(3)	(1)	(5)
7	List steps followed in Domain class modeling.	(2)	(3)	(1)	(5)

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