

Assessment, SPRING 2022

Program : BE SE
Semester : VI
Subject : Object Oriented Software
Development

Full Marks: 100
Pass Marks: 45
Time : 3 hrs

- ✓ Candidates are required to give their answer in their own words as far as practicable.
- ✓ The figures in the margin indicate the full marks
- ✓ Attempt ALL questions

1. a) What is an Object Oriented Paradigm? Explain about Object Oriented Analysis and Design. [8]
b) Define Unified Modeling Language. Explain building blocks of UML. [7]
2. a) Explain Iterative and Incremental software development process with example. [8]
b) Explain Unified Software Development Process along with its life cycle. [7]
3. a) Explain primary modeling elements (Worker, Activity, Artifact and Workflow) of a process. [7]
b) Explain core workflows of Unified Process. [8]
4. a) What is Design Pattern? Explain about documenting of a pattern. [8]
b) Explain Factory Method pattern with UML class diagram. [7]
or
b) Explain Composite pattern along with advantages and uses.
5. a) What is Behavioral pattern? Explain Chain of Responsibility pattern [7]

or

a) Explain about Concurrency pattern.

b) What do you mean by architectural pattern? Explain about Model View Controller (MVC) architectural pattern. [8]

6. a) Explain Service Oriented Architecture Pattern with design principles. [8]

b) What is Use-Case? Write importance of Use-case in system development process. [7]

7. Write short notes on : (any two) [2X5]

a) Client/Server Architectural Pattern

b) Singleton Pattern

c) 4 P's of software development