

Vivekanand College, Kolhapur(Autonomous)

Department of Computer Science

Object Oriented Software Engineering

Question Bank

Q.1 Explain following terms with example.

- a) class
- b) object
- c) polymorphism
- d) Inheritance
- e) aggregation
- f) composition

Q.2 Explain in detail conceptual modeling.

Q.3 Explain uml architecture.

Q.4 Explain different views in uml architecture.

Q.5 Explain following terms

- a) component to database
- b) package to schema
- c) classes to tables
- d) attributes to columns
- e) association to relationship

Q.6 Explain different mapping object model to database schema.

Q.7 Explain in detail system design.

Q.8 Explain in detail object design

Q.9 Explain generic components of oo design model.

Q.10 Draw process flow for ood and explain design methods for ood

Q.11 Explain in detail system design process.

Q.12 Explain following terms in details

- a) Partition the analysis model
- b) concurrency and subsystem allocation

- c) the task management component
- d) the user interface component
- e) the data management component
- f) the resource management component

Q.13 Define following terms

- a) Analysis
- b) Design
- c) object oriented analysis
- d) object oriented design
- e) incremental
- f) iterative

Q.14 Explain in detail various phases in unified process.

Q.15 Explain various object oriented testing.

Q.16 Explain various object oriented testing techniques.

Q.17 define techniques for subsystem testing.

Q.18 define categories of system testing.

Q.19 Explain various challenges in testing object oriented programs.

Q.20 Explain class diagram in detail with example.

Q.21 Explain with example components of class diagram.

Q.22 Explain relationships in the classes with example.

Q.23 prepare a class diagram for "medical shop management" .define appropriate relationship .

Q.24 Explain in detail object diagram.

Q.25 write difference between class diagram and object diagram.

Q.26 Explain state chart diagram in detail with example.

Q.27 Explain with example components of state chart diagram.

Q.28 Draw state chart diagram for ticket booking system.

Q.30 Explain with example components of activity diagram.

Q.31 Draw activity diagram for ATM

Q.32 Explain activity diagram in detail with example.

Q.33 Explain package diagram in detail with example.

Q.34 Explain with example components of package diagram.

- Q.35 Draw package diagram for Hospital management system.
- Q.36 Explain composite structure diagram in detail with example.
- Q.37 Explain with example components of composite structure diagram.
- Q.38 Explain component diagram in detail with example.
- Q.39 Explain with example components of component diagram.
- Q.40 Draw component diagram for ATM System.
- Q.41 Explain deployment diagram in detail with example.
- Q.39 Explain with example components of deployment diagram.
- Q.40 Draw component diagram for Hotel management system.
- Q.41 Explain interaction diagram.
- Q.42 Explain use case diagram in detail with example.
- Q.43 Explain with example components of use case diagram.
- Q.44 Draw use case diagram for Hotel management system.
- Q.45 Explain with example relationship in use case diagram.