

PGDCSA (Rep) Sem.-2 Examination

Object Oriented Analysis & Design

Time : 3-00 Hours]

February-2025

[Max. Marks : 50

- NOTE : (1) Write both the sections in the separate answer books
 (2) Figures to the right indicate full marks.
 (3) Make necessary assumptions wherever necessary.

SECTION-I

- Q.1 Define the following (Any three) [9]
- 1 SDLC
 - 2 System analysis
 - 3 Encapsulation
 - 4 Data hiding
 - 5 Model
- Q.2 (a) Differentiate between class and object. (8)
 (b) List any four techniques of information gathering.
- OR
- Q.2 (a) Explain Joint Application Development (8)
 (b) Explain aggregation in class diagram
- Q.3 Attempt any one of the following. (8)
- (a) Draw a class diagram showing encapsulation, generalization and multiplicity.
 OR
 (a) Draw state transition diagram showing at least one 'do activity', 'guard condition' and 'entry activity'

SECTION-II

- Q.4 Differentiate between the following (Any three) [9]
- 1 State and event
 - 2 Use case diagram and activity diagram
 - 3 Cohesion and coupling
 - 4 Primary key and foreign key
- Q.5 (a) Explain sequence diagram. (8)
 (b) Mention any 4 golden rules for designing interactive interfaces.
- OR
- Q.5 (a) Explain state chart diagram. (8)
 (b) Mention any 4 good deeds in web design.
- Q.6 Attempt the following (Any one) (8)
- (a) Draw use-case diagram for a library management system.
 OR
 (a) Draw activity diagram for issuing a book from library.