



Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16
(Autonomous)
End Semester Examination: OCT / NOV 2024
Faculty: Commerce

Program: BBA (Computer Application)

Semester: V

SET: A

Program (Specific): BBACA07

Course Type: CCT-2

Class: TYBBACA

Max. Marks: 70

Name of the Course: Object Oriented Software Engineering

Course Code: 24-BBACA352

Time: 3Hr

Paper: -

Instructions to the candidate:

- 1) *There are 4 sections in the question paper. Write each section on separate page.*
- 2) *All Sections are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw a well labelled diagram wherever necessary.*

SECTION: A

Q1) Answer the following

10

- 1) Object is an instance of _____.
a) class b) attribute c) structure d) array
- 2) Graphically stereotype is represented as a name enclosed by _____.
a) " " b) [] c) >><< d) << >>
- 3) Use case description consists of interaction _____.
a) use Case b) product c) Actor d) product and Actor
- 4) _____ is rendered as a rectangle.
a) Class b) note c) Tagged values d) Constraints
- 5) Which of the following diagram is time-oriented.
a) collaboration b) sequence c) Activity d) use case
- 6) Who considers diagrams as a type of class diagram, component diagram, object diagram and deployment?
a) Structural b) Behavioral c) Non- Structural d) Non- Behavioral
- 7) Which among these are common notation for deployment diagrams?
a) artifacts and node b) Stereotypes c) components d) note
- 8) Why is requirement Elicitation a difficult task?
a) Problem of scope b) Problem of understanding
c) Problem of volatility d) Problem of non-volatility

9) RUP stands for_____.

- a)Rational Unified Program;IBM
- b)Rational Unified process;Infosys
- c)Rational Unified Process;Microsoft
- d)Rational unified process;IBM

10) How many layers are present in the OO design pyramid?

- a)three
- b)four
- c)five
- d)one

SECTION: B

Q2) Answer the following(any 10)

[2x10=20M]

- 1)Define objects with example,
- 2)What is deployment in SDLC.
- 3)What is hierarchical Inheritance.
- 4)How to draw aggregation between two classes.
- 5)what is meant by component diagram.
- 6))Consider a single object “Student ” and draw object with possible attributes.
- 7) What is use of state chart diagram
- 8) Explain basic flow of event and alternate flow of events for a use case.
- 9) What is note?How to draw a note.
- 10)How to draw a start/Initial node and Final /Exit node.
- 11) What is polymorphism.
- 12) What is package? Explain different kind of packages.

SECTION: C

Q3) Answer the following. (Any 4)

[5x4=20 M]

- 1)What is object oriented Analysis?
- 2)Explain Five phases of Workflows of Use case model.
- 3)Explain Coad and Yourdon method.
- 4)Explain in detail software development life cycle.

5) Explain behavioural diagram in UML.

6) Draw state chart diagram for passport Automation system.

SECTION: D

Q3) Answer the following. (Any 4)

[5x4=20 M]

1) Explain with diagram software development lifecycle SDLC.

2) Explain advanced classes in detail.

3) Explain Common mechanism in detail.

4) Draw component diagram for Library management System.

5) Explain the concept of polymorphism.

6) Draw activity diagram for ATM.