

BCA Semester – IV Examination

Oct - 2016 - Code - 3452

Duration: 2 Hour 30

404: Object Oriented Analysis and Design

Minutes Marks: 70

Question – 1: Attempt the following.

1. Explain characteristics of Object oriented. [7]
2. List and explain in short the tools used in OOAD. [7]

OR

Question – 1: Attempt the following.

1. What do you mean by OOA? Explain in detail. [7]
2. Explain the term encapsulation and polymorphism. [7]

Question – 2: Attempt the following.

1. Give an example of inheritance and explain it in detail. [7]
2. Explain structural diagram. [7]

OR

Question – 2: Attempt the following.

1. Explain notations used in OOM with proper example. [7]
2. Explain link and association, and multiplicity in OOM. [7]

Question – 3: Attempt the following.

1. What do you mean by abstract class? Explain with example. [7]
2. How can we create sub system from any one system? Explain with example. [7]

OR

Question – 3: Attempt the following.

1. Explain generalization with example. [7]
2. Explain Data store management. [7]

Question – 4: Attempt the following.

1. Explain steps of Object Design Processing. [7]
2. Explain class diagram with example. [7]

OR

Question – 4: Attempt the following.

Draw the Use Case of Library Management with proper guidelines. [14]

Question – 5: Attempt the following.

1. Draw the UML for various college activity. [7]
2. Explain different implementation strategy. [7]

OR

Question – 5: Attempt the following.

1. What is Dynamic modeling? Explain with example. [7]
2. Explain functional modeling. [7]