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Roll No

MCIT - 103**M.E./M.Tech., I Semester**

Examination, June 2014

Object Oriented Technology*Time : Three Hours**Maximum Marks : 70*

- Note :** 1. Attempt any five questions.
2. All questions carry equal marks.

1. a) Write the merits and demerits of object oriented approach. Explain the concept of encapsulation with proper example. 7
b) What is role of cardinality in the development of object relationship model. Explain. 7
2. a) Enumerate the steps of identifying classes and objects of an object model. 7
b) Define Association and its types? When a relationship is known as association and how it is represented. 7
3. a) What you meant by behavioral modeling? Justify its need in OOAD. Also write the name of various diagrams use to show the behavior of system in UML. 7
b) What is state diagram; explain? Draw state diagram for a telephone call connection. 7
4. a) Explain use case diagram and its purpose. Also draw use case diagram for issuing a book from library management system. 7

- b) Justify the use of interaction diagram? Explain how to draw an interaction diagram for sales and order management system. 7

5. a) What is sequence diagram? Explain working of ATM machine with the help of sequence diagram. 7

- b) Describe briefly : 7

i) Component diagram.

ii) Collaboration diagram.

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6. a) How does a component framework is differ from an object oriented framework. 7

- b) What do you understand by distributed objects? What are methods to unvoke remote methods. 7

7. a) Write the different phases of unified development process. Explain each of them briefly. 7

- b) Justify the need of middle wave standards. Explain them in brief. 7

8. Write short notes on (any three) : 14

a) CORBA.

b) Object relational system.

c) Object oriented database.

d) COM and DCOM.
