MCA 4th Semester OBJECT ORIENTED ANALYSIS AND DESIGN 2008 (ELECTIVE-1)

Time :03 Hours
Max Marks: 60
Instructions to the candidates:
1) Attempt any one question from each sections A,B,C& D.
2) Section E is compulsory.

Section – A

Q1) Write short notes on following:-

a) Multiple Inheritance
b) Implicit sub-typing versus Explicit Inheritance.

Q2) Explain method overriding with a suitable example. (10*1=10)

Section – B

Q3) Explain operator overloading of binary operator with a suitable example.

Q4) What is meant by classes within the class? How can we declare a class and object? Explain with the help of example. (10*1=10)

Section – C

Q5) Discuss in detail object oriented development.

Q6) What is a template? How are they created? Explain with the help of example (10*1=10)

Section – D

Q7) Prepare a detailed object diagram for a participant's registration system for a seminar. Also give appropriate justification for the object diagram.

Q8) Discuss a relationship between various models. (10*1=10)

Section – E

Q9) a) What do you understand by an abstract data type?
b) How is message passing in object oriented languages?
c) Differentiate between a normal function and a macro.
d) What is encapsulation?
e) What are friend function?

f) What is the difference between public and private derivation?
g) How are libraries designed?
h) What is object design?
i) What is need modeling?
j) What is entity relationship modeling? (10*2=20)