

MCSE-104
M.E. / M.Tech. (First semester)
EXAMINATION, Dec, 2011
(Grading/Non-Grading)
OBJECT ORIENTED TECHNOLOGY
(MCSE-104)

Time: three hours Maximum Marks: GS: 70 NGS:100

NOTE:- Attempt any five questions. all questions carry equal marks.

1. (A) what are the merits and demerits of object oriented approach? explain the concept of encapsulation with proper example.
(B) draw and explain the OMT object model for payroll system.
2. (A) describe why analysis and design model cannot be tested in conventional way. how correctness and consistency of OOA and OOD model can be ensured?
(B) what do you understand by SASD and YSD ? compare the design methodology done with SASD and YSD.
3. (A) differentiate between overloading and overriding with C++ code.
(B) explain dynamic model. what is the relationship between object and dynamic model?
4. (A) compare 2-tier client-server architecture with 3-tier architecture. also highlight when 3-tier architecture is better than 2-tier architecture.
(B) differentiate between COM and CORBA.
5. (A) differentiate between object oriented database and relational database.
(B) what is OO decomposition? explain with the help of example.
6. (A) what are distributed object systems? explain. how does CORB work with the help of some suitable example.
(B) differentiate between the following :
 - (1) CORBA and EYB
 - (2) DCOM and comt
7. (A) distinguish between Adhoc and universal polymorphism with the help of example.
(B) what do you mean by static and dynamic modelling?
8. (A) write short notes on the following :
 - (1) object management group
 - (2) recursive aggregate
 - (3) database triggers
 - (4) gemstone.