

Total No. of Questions : 8] [Total No. of Printed Pages : 3

Roll No. 0126CS09MT04

MCSE/MSE(N)-104

M. E./M. Tech. (First Semester)

EXAMINATION, March, 2010

OBJECT ORIENTED TECHNOLOGY

Time : Three Hours

Maximum Marks : 100

Minimum Pass Marks : 40

Ray Solutions

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Note : Attempt any five questions. All questions carry equal marks. Assume suitable data wherever necessary.

1. (a) Differentiate between procedural programming and object oriented programming. List and explain the components of OOP. 10

2. (b) Explain the purpose of the following with the help of an example for each : 10

(i) Class Diagram

~~Activity Diagram~~

3. (a) Give three differences between object model, dynamic model and functional model. Out of these models, which model is most important and why ? 10

4. (b) Write a short note on structural and behavioural diagrams. What are the constituent diagrams of these two broad categories ? Discuss in brief any two constituent diagrams of each type. 10

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3. (a) Write a template function for exchanging the values between two variables. Use this function in main () for int, double and char types of variables. 10
- (b) What is STL ? Why should they be used ? 5
- (c) What do you mean by dynamic initialization of objects ? 5
4. (a) Write a program that accepts two strings as argument and reports whether the first string is part of second or not. In case first string occurs multiple times in second string. It reports the number of times it occurs in second. 10
- (b) Using pointer create a class and write a program to get the n names and display them in sorted order. 10
5. (a) Compare ORDBMS and OODBMS with respect to data sharing, data modelling and data accessing. 10
8. (b) State the new kinds of data types supported in object-database system. Give an example for each and discuss how the example situation would be handled if only RDBMS were available ? 10
6. (a) How is chen-chen methodology used for object oriented design ? 10
- (b) What is UML ? What are the methodologies associated with UML ? Discuss any five features of UML. 10
7. (a) Explain with an example, how parallel queries are executed. 10
- (b) How are large objects such as multimedia object stored in object oriented database ? 10

8. Write short notes on the following :

- 10
- (a) Distributed object oriented systems
 - (b) CORBA
 - (c) Macros
 - (d) Python
 - (e) Object Management Group

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