MSIT 23

II Semester M.Sc. (I.T.) Examination, Dec. 2009/Jan. 2010
(Repeater)
OOAD AND UML

Time : 3 Hours

Max. Marks : 75

Instruction : *Answer* **all** *questions from Part –* **A** *and answer* **any five** *questions from Part –* **B***.*

PART – A

1. What is persistence ?

(10×2+5×1=25)

2. What is modeling ?

3. What are the types of interaction diagram ?

4. What is a binary association ?

5. Four quality measures are : _____ , _____ , _____ and validation.

6. Write a short note on OOD.

7. Why polymorphism important ?

8. Give any one example for composition.

9. Write a note on single inheritance.

10. What is package ? Explain with example.

11. Write a short note on :

    a) Class and Object

    b) UML

    c) Stereotypes

    d) Aggregation

    e) Inheritance.

P.T.O.

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PART – B

Answer **any five** : **(5×10=50)**

1. What is software ? What are orthogonal views of software ?

2. What is abstraction ? What are the types of abstraction ? Explain briefly.

3. List out OOD check point.

4. Briefly explain the software development problems.

5. What are the advantages and disadvantages of UML ?

6. What is state chart diagram ? Explain with example.

7. Write a short note on :

   i) N-ary association

   ii) Modularity.

8. What is the difference between sequence and collaboration diagram ?

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