M. Sc. DEGREE EXAMINATION, APRIL 2009
INFORMATION TECHNOLOGY
SECOND SEMESTER

COURSE   :   CORE
PAPER   :   OBJECT ORIENTED SOFTWARE ENGINEERING
TIME   :   3 HOURS   MAX. MARKS : 100

SECTION - A

Answer all the questions :   10 x 2 = 20

1. Define process.
2. Define object.
3. What is abstract data type?
4. List any two qualities of a system designed with Object Oriented Method.
5. What is an instance of a class?
6. What is OO Architecture?
7. Define tracebility.
8. What is unit testing?
9. List any four metrics that can be used in OO software product.
10. What is the role of prototyper?

SECTION - B

Answer any five questions :   5 x 6 = 30

11. Explain Function/Data model.
12. Explain polymorphism with suitable example.
13. Discuss about the different criteria used to design ODBMS.
14. Discuss about the criteria used to design good component.
15. Explain Risk analysis.
16. Explain integration testing.

SECTION - C

Answer any five questions :   5 x 10 = 50

17. Discuss system development characteristics.
18. Explain Water fall model.
19. Explain inheritance with suitable example.
20. Discuss about OO analysis.
21. Explain the different testing strategies.
22. Discuss about software metrics in detail.
23. Explain the role of software quality assurance group in software development.

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