

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086
(For candidates admitted during the academic year 2011-12 & thereafter)

SUBJECT CODE : 11CS/PC/OU24

M. Sc. DEGREE EXAMINATION, APRIL 2015

INFORMATION TECHNOLOGY

SECOND SEMESTER

COURSE : CORE
PAPER : OBJECT ORIENTED SYSTEMS DEVELOPMENT USING UML
TIME : 3 HOURS **MAX. MARKS: 100**

Section A

Answer all the questions:

10 x 2 = 20

1. What is System development?
2. What is Multiple Inheritance?
3. What is Pattern?
4. Explain Generalization.
5. What is Transaction?
6. What is Association?
7. What are Attribute types?
8. What is naming class?
9. What is coupling?
10. What is a private and protected protocol layer?

Section B

Answer any six of the following questions:

6 x 5 = 30

11. What is polymorphism?
12. Differentiate verification and validation.
13. What are OMT functional model?
14. Explain N-Ary Association.
15. What is OOA Process?
16. Explain corollaries.
17. What is the purpose of a view layer interface?
18. Write about simplify classes and their relationships?

Section C

Answer any five of the following questions:

5 x 10 = 50

19. Explain the concepts of Water fall approach in software development process.
20. Briefly explain SDLC in object oriented system development.
21. Explain UML sequence diagram.
22. Explain the concepts of identifying the Aggregation/a-part of Relationship.
23. Explain the object oriented design process.
24. Explain Object Oriented Database Management System.
25. Illustrate with an application the UML operation.
