LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FIRST SEMESTER – NOVEMBER 2015

CS 1823 - OBJECT ORIENTED SOFTWARE ENGINEERING

Date : 05/11/2015   Dept. No.   Max. : 100 Marks
Time : 01:00-04:00

Part A

Answer ALL questions   **10 x 2 = 20**

1. What are Components?
2. List any two advantages of reusability in OOSE? .
3. What are the components of analysis phase?
4. What is Hard real time system?
5. Draw a document sheet for saving account in Banking system.
6. What is the purpose of Construction Phase?
7. Define Milestone.
8. Name any four process oriented metrics used in OOSE.
9. List the events of OOD?
10. List any two advantages of HOOD method.

Part B

Answer ALL questions   **5 x 8 = 40**

11 a) Discuss about the various Object Oriented concepts with simple examples.
(OR)
b) Describe the Spiral model with relevant diagram.

12 a) Draw and discuss the Integration diagram for telecom.
(OR)
b) Discuss about the criteria for Constructing Components.

13 a) How to identify the attributes? Give example and guidelines.
(OR)
b) Discuss the Common class patterns approach with ATM.

14 a) Explain the Risk analysis factors in detailed manner.
(OR)
b) Discuss about the software quality assurance.

15 a) Discuss about the OMT method in detail.
(OR)
b) Compare the concepts of Booch method with OOSE.

Part C

Answer any TWO questions   **2 x 20 = 40**

16 a) Explain the System development Methodology.
b) Discuss the analysis model with recycle machine.

17 a) Design the use case driven model for invalid pin number with ATM.
b) Discuss about the different activities of Unit testing.

18 a) Describe the Project Staffing with guidelines .
b) Explain the OOA method and compare it with OOSE.

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