LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – **COMPUTER SCIENCE**

FIRST SEMESTER – **NOVEMBER 2014**

CS 1823 - OBJECT ORIENTED SOFTWARE ENGINEERING

Date : 03/11/2014 Dept. No. Max. : 100 Marks

Time : 01:00-04:00

Part A

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

1. What are objects? Give an example.
2. Define Polymorphism.
3. Write down the components developed in analysis.
4. What are control objects?
5. Write the rules for naming the use-cases.
6. Define Association.
7. Give any 4 process related metrics.
8. Name any two Standard organizations meant for Assuring the Quality.
9. Define active and passive objects?
10. What are milestones? Where are they used?

Part B

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

11.a. State the purpose of OOA.

(OR)

b. Describe the Spiral model with a diagram.

12. a. Draw and discuss the Analysis model.

(OR)

b. Describe the Unit testing methods.

13. a. Explain the various approaches for identifying classes.

(OR)

b. Discuss the Noun Phrase approach to identify the classes.

14. a. Explain the Project selection and preparation technique.

(OR)

b. Discuss the software metrics used for OOSE in detailed manner.

15. a. Discuss the HOOD method in detail.

(OR)

b. Explain the OOA method in brief.

Part C

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

16 a. What are system development methodology? Briefly explain each processity.

b. Explain the following(i)Encapsulation (ii) Inheritance & multiple inheritance.

17 a. Write brief notes on Real time specialization.

b. Apply the Common class patterns Approach to identify classes for ViaNet Bank ATM System.

18 a. Describe the Project organization and management principles in detail.

b. Explain OMT method and Compare its concepts with OOSE.

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