Reg. No. :

Question Paper Code: 31253

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2017

Fifth Semester

Computer Science and Engineering

01UCS503 – OBJECT ORIENTED ANALYSIS AND DESIGN

(Common to Information Technology)

(Regulation 2013)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. What is association?

2. List the three perspectives to apply UML.

3. What is cohesion?

4. What is Low coupling?

5. Compare aggregation and composition.

6. Define swim lane.

7. Mention the types of layers used in object oriented system.

8. What is meant by Inter-System SSDs?

9. Define Guard conditions.

10. What are the various types of object oriented system testing?

PART - B (5 x 16 = 80 Marks)

11. (a) Define activity diagram. Draw a activity diagram for library member.   (16)

Or

   (b) List out various UML diagrams and explain the purpose of each diagram.   (16)

12. (a) With an example, illustrate the use cases for include, extend and generalize relationship.   (16)

Or

   (b) What are design pattern? Explain creational, structural and behavioral design pattern in detail.   (16)

13. (a) Elaborate on the POS generation systems.   (16)

Or

  (b) Explain about activity diagram with an example.   (16)

14. (a) Draw the sequence diagram and class diagram for library management system.   (16)

Or

   (b) What are types of UML interaction diagrams? Brief it for library management system.   (16)

15. (a) Analyze the issues in object oriented testing.   (16)

Or

   (b) What is GUI testing? Explain various interface elements tested by GUI testing.   (16)

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