Reg. No. :

Question Paper Code: 35203

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2018

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 pattern?

4. What is Low coupling?

5. Compare aggregation and composition.

6. List out the steps for finding use cases.

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

8. Give the use of UML interaction diagram.

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 is GRASP? Explain the designing objects and responsibilities in detail. (16)

13. (a) Explain with an example, how use case modeling is used to describe functional requirements. Identify the actors, scenarios and use cases for example. (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 is the use of class diagram? Explain different terms used in class diagram with example. (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)

———————————

35203