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BE Degree Examination November 2016

Fifth Semester

Computer Science and Engineering

14CST51 – OBJECT ORIENTED SYSTEM DESIGN

(Regulations 2014)

Common to BTech Information Technology

Time: Three hours

Maximum: 100 marks

Answer all Questions

Part – A ( $10 \times 2 = 20$  marks)

1. Specify the orthogonal views of the software.
2. Differentiate method with message.
3. List the primary goals of UML.
4. Define use case.
5. List the guidelines for selecting classes in an application.
6. What are unnecessary associations? How would you know?
7. Mention the relationship between coupling and cohesion.
8. When does an encapsulation leakage occur?
9. Mention the two major aspects of the applications for which the view layer objects are responsible.
10. State the purpose of usability testing.

Part – B ( $5 \times 13 = 65$  marks)

11. a. i) Describe the components of unified approach. (3)  
ii) Elaborate the three macro processes of object oriented software development life cycle. (10)
- (OR)
- b. i) Provide the steps involved in the macro development process of the Booch methodology. (5)  
ii) Analyse how objectory fits in the development of real time systems using Jacobson et al methodology. (8)