B.Tech. – VIEP – COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

□□575 **Term-End Examination**

June, 2019

BICSE-012 : SOFTWARE REUSABILITY

Time : 3 hours   *Maximum Marks : 70*

*Note : Attempt any **seven** questions. All questions carry equal marks.*

1. Explain architect components of reuse engineering.   *10*

2. Compare object oriented software engineering with structured software engineering and explain in which situations it is a better choice than structured software engineering.   *10*

3. What is an object ? Explain components of an object with the help of an example and discuss how objects communicate with each other in a system.   *10*

4. Explain why it is essential to have 'Systematic Software Reuse" for success of reuse software engineering. *10*

5. Explain process of design and implementation of component system. *10*

6. Discuss the need of robustness analysis of a system. Explain how robustness analysis is performed. *10*

7. Describe the layered architecture of Object Oriented Software Engineering. *10*

8. Discuss the parameters and steps for transition to a reuse business. Also list the challenges of transition to a reuse business. *10*

9. What is software testing ? Explain the need of testing and its different types. *10*

10. What is the need of expressing system engineering in terms of workers ? Also briefly describe how it is to be done. *10*