

**B.Tech. – VIEP – COMPUTER SCIENCE AND
ENGINEERING (BTCSEVI)**

Term-End Examination

00495

June, 2017

BICSE-012 : SOFTWARE REUSABILITY

Time : 3 hours

Maximum Marks : 70

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

1. What is software reusability ? Discuss the various factors which make a software reusable. 10
2. What is object oriented software engineering ? Explain its advantages. Also briefly explain, in which kinds of software development, object oriented software engineering is suitable. 10
3. "A software reuse business has business characteristics." Justify your answer with the help of suitable example. 10
4. Explain the layered architecture of an object oriented system with the help of a diagram. 10

5. Discuss how reusable software development is a systematic model building. 10
6. What is the role of an interface in a system ?
Explain parallel, input and output interfaces. 10
7. Explain the advantages of component system engineering. 10
8. Discuss the role of testing and packaging in reusable software development and delivery. 10
9. Explain the use case components with the help of an example. 10
10. Describe any *two* of the following : 2×5=10
 - (a) Object components
 - (b) Implementation
 - (c) Managing reuse business