

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

00244

Term-End Examination

June, 2014

BICS-005 : SOFTWARE ENGINEERING

Time : 3 hours

Maximum Marks : 70

Note : *Attempt any seven questions. Each question carries equal marks.*

1. Explain in detail about software characteristics and its various applications. 5+5
2. Discuss in detail about empirical estimation technique. 10
3. Explain risk analysis and management in software project management. 5+5
4. What is requirement engineering ? Briefly explain system modelling. 2+8
5. Explain in detail about different prototyping methods and tools. 5+5
6. Discuss in detail about functional modelling. Write a short note on DFD. 6+4

7. What are the factors that decide software quality ? Mention few design principles. 7+3
8. Explain in detail about cohesion and coupling. 5+5
9. Give neat sketch for software architecture.
Explain its features. 5+5
10. Write short notes on any **two** of the following : 2×5=10
- (a) Recovery testing
 - (b) Performance testing
 - (c) Debugging process
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