

**BACHELOR OF COMPUTER APPLICATIONS
(BCA) (Pre-Revised)**

Term-End Examination

June, 2016

00686

**CS-70 : INTRODUCTION TO SOFTWARE
ENGINEERING**

Time : 3 hours

Maximum Marks : 75

Note : *Question number 1 is compulsory. Answer any three questions from the rest.*

1. (a) Define the term 'software engineering'. Explain all the phases of Waterfall Model SDLC briefly. 10
- (b) What is the need of testing? Explain benchmark testing in detail. 10
- (c) What is Object Oriented Design? Explain the advantages of using Object Oriented Design. 10
2. (a) Explain the role of a System Analyst in software development. Also, explain the key attributes of a System Analyst. 10
- (b) Define the term 'Software Quality'. Explain any two software quality attributes briefly. 5

3. (a) What are CASE tools ? Explain different categories of CASE tools. 10
- (b) What is meant by Risk Management ? Explain any two risks related to software development. 5
4. (a) What is the need for project scheduling ? Explain any one Project Scheduling technique. 8
- (b) Differentiate between Coupling and Cohesion. Explain two types of coupling. 7
5. Explain the following with respect to Software Engineering : $5 \times 3 = 15$
- (a) GUI
 - (b) Prototyping
 - (c) Project Standards
 - (d) Software Development Team
 - (e) Software Verification
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