

**BACHELOR IN COMPUTER
APPLICATIONS****Term-End Examination****June, 2007****CS-70 (S) : INTRODUCTION TO SOFTWARE
ENGINEERING**

Time : 3 hours

Maximum Marks : 75

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

1. (a) List five differences between Spiral Model and Prototype Model. 5
- (b) What do you mean by Function Point Analysis ? Mention at least four features of it. 6
- (c) What do you mean by Project Scheduling ? Discuss the two techniques used for the same with example. 10
- (d) Describe COCOMO Model. 4
- (e) Discuss the importance of Analysis and Design phase of SDLC. 5

2. (a) Design an ERD for library management system. List the various entities and the attributes used in it and describe how they are related. Make necessary assumptions. 10
- (b) Discuss three salient features of Relational Databases. Give example for each. 5
3. (a) Mention any five principles of S.E. 5
- (b) Explain the following terms with their purpose : 10
- (i) Benchmark testing
 - (ii) Software library
 - (iii) 4GL
 - (iv) Debugger
4. (a) Differentiate between Coupling and Cohesion. List and explain the types of both. 10
- (b) Explain software crisis from programmer's point of view. 5
5. (a) Explain the role of System Analyst. Mention any four attributes of an effective System Analyst. 7
- (b) What do you mean by project outsourcing ? Give any two applications where it can be implemented, with proper description. 8