

**S.D.E.**  
**B.C.A. (2004 Course Sem- IV : SUMMER - 2019**  
**SUBJECT: SOFTWARE ENGINEERING**

**Day:** Monday  
**Date:** 13/05/2019

**Time:** 10.00 AM TO 1.00 PM  
**Max. Marks: 80**

S-2019-4971

**N.B:**

- 1) Attempt **ANY FIVE** questions from Section-I and **ANY TWO** questions from Section-II.
- 2) Answers to both the sections should be written in *SAME* answer book.

**SECTION-I**

- Q.1** State and explain golden rules for user interface design in detail. (10)
- Q.2** What are the skill sets required by system analyst? Explain each in detail. (10)
- Q.3** What is the difference between software Engineering and programing? (10)
- Q.4** What are the principles of Software Engineering? (10)
- Q.5** Explain the steps in software requirement gathering. (10)
- Q.6** Explain in brief RAD model. (10)
- Q.7** Write short notes on **ANY TWO** of the following: (10)
- a) Teamwork
  - b) E-R Model
  - c) User interface Design

**SECTION-II**

- Q.8** For student admission system of BCA course, draw the following. (15)
- i) E-R Diagram
  - ii) DFD at different levels.
- Q.9** Consider a 'Life Insurance Corporation' system and draw the following : (15)
- i) Context Level DFD
  - ii) First Level DFD
  - iii) Decision Table
- Q.10 a)** Explain logic modelling of software. (07)
- b)** Explain Testing Process in detail. (08)

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