

**S.D.E.**

**B.C.A. (2004 COURSE SEM- IV : SUMMER - 2018**

**SUBJECT: SOFTWARE ENGINEERING**

**Day: Tuesday**  
**Date: 29/05/2018**

**S-2018-4356**

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

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**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 **SEPARATE** answer books.
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**SECTION-I**

- Q.1** What is Software Engineering? List the characteristics of software. (10)
- Q.2** Explain in brief RAD model. (10)
- Q.3** What is the difference between software Engineering and programing? Mention the importance. (10)
- Q.4** Explain the terms. (10)  
i) User Interface design  
ii) Skills sets of Analyst
- Q.5** What is Testing? Write the types of Software Testing. (10)
- Q.6** Illustrate in detail decision trees and decision table. (10)
- Q.7** Write short notes **ANY TWO** of the following: (10)  
a) Teamwork  
b) E-R Model  
c) DFD

**SECTION-II**

- Q.8** For Library Management system, draw the following. (15)  
i) E-R Diagram ii) DFD at different levels.
- Q.9** Design various interfaces required for Student Admission System of BCA in a college. (15)
- Q.10** State and explain golden rules for user interface design in detail. (15)

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