

S.D.E.
B.C.A. (2004 Course Sem- IV : WINTER - 2018
SUBJECT: SOFTWARE ENGINEERING

Day: Wednesday
Date 05/12/2018

W-2018-4518

Time: 10.00 AM TO 1.00 PM
Max Marks. 80

N.B.

- 1) Attempt any **FIVE** questions from Section –**I** and any **TWO** questions from Section – **II**
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Both Sections should be written in **SEPARATE** answer book.
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SECTION - I

- Q.1** What is software? Differentiate between software engineering and programming. (10)
- Q.2** Explain waterfall model in detail. (10)
- Q.3** What are the skill set required by the system analyst? (10)
- Q.4** Explain Requirement gathering process. (10)
- Q.5** Explain white box testing techniques. (10)
- Q.6** Explain User Interface Design with example. (10)
- Q.7** Write short notes on any **TWO** of the following (10)
- a) Decision Tree
 - b) Structured English
 - c) Software Characteristics

SECTION - II

- Q.8** Draw DFD at various levels for students' hostel management system. (15)
- Q.9** Draw ERD for students' hostel management system. Design tables required for the same. (15)
- Q.10** Design a system for students' hostel management system by using SDLC phases. (15)

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