

B.C.A. SEM–III (2014 COURSE) CBCS : SUMMER - 2018

SUBJECT : SOFTWARE ENGINEERING

Day : **Monday**

Date : **30/04/2018**

S-2018-1703

Time : **02.00 PM TO 05.00 PM**

Max. Marks: **100**

N.B.:

- 1) Attempt **ANY FOUR** questions from Section – I and **ANY TWO** questions from section – II.
 - 2) Answers to both the sections should be written in the **SEPARATE** answer books.
 - 3) Figures to the right indicate **FULL** marks.
-

SECTION – I

- Q.1** Explain software engineering principles and need in detail. **[15]**
- Q.2** What are the various stages in SDLC? Explain in short Software Development Life Cycle Requirement phase. **[15]**
- Q.3** Explain software project management and software security measures in brief. **[15]**
- Q.4** What are the software quality measures? How we can develop quality software explain in brief? **[15]**
- Q.5** What are E-R diagram concepts? Explain with example E-R diagrams for any business software application. **[15]**
- Q.6** Explain in detail various software development models in brief. Write stages in waterfall model. **[15]**
- Q.7** What is the role of team leader in software development? Explain functions of programmer in software development in brief. **[15]**

SECTION – II

- Q.8** Explain in detail various testing methods with advantages and disadvantages for the same. **[20]**
- Q.9** Draw data flow diagrams of various levels and E-R diagram for college management system to be developed. **[20]**
- Q.10** Write short notes on **ANY TWO** of the following: **[20]**
- a) Object oriented design concepts
 - b) Software testing tools
 - c) Role of software engineer

* * * *