

I.M.C.A. SEM-VII (2014 COURSE) CBCS : SUMMER - 2018

SUBJECT : SOFTWARE ENGINEERING

Day : **Thursday**
Date : **03/05/2018**

Time **02.00 PM TO 05.00 PM**
Max. Marks :100

S-2018-1774

N.B.

- 1) Attempt ANY FOUR Questions from Section –I. Each question carries 15 Marks.
- 2) Attempt ANY TWO Questions from Section –II. Each question carries 20 Marks.
- 3) Answers to both the sections should be written in the SAME answer book.

SECTION - I

- Q.1.** a. What do you mean by software process? Explain the frame work activities of software process. **07**
b. What are the qualities of software process? **08**
- Q.2.** Differentiate between evolutionary and iterative model. Explain Boehm's Spiral Model. **15**
- Q.3.** What is requirement Elicitation and analysis? Also explain the term Ethnography. **15**
- Q.4.** What is Agile methodology? Why this methodology has become popular in Industry? What are the principles of Agile methodology? Explain extreme programming model
- Q.5.** What are the rules to draw E-R Diagram? Draw E-R Diagram for Library Management System **15**
- Q.6.** Explain functional independence, cohesion, and coupling of modular design with example **15**
- Q.7.** Write Short notes on Any Three **15**
a. Traditional requirement tools
b. Data Dictionary
c. CASE tools
d. Software Configuration Management

SECTION-II

- Q.8.** Describe the functions of Banking System that provides services to bank customers and draw proper DFD diagram of the same. **20**
- Q.9.** Consider Hostel Management system draw proper E-R diagram and convert this E-R diagram into relational tables. **20**
- Q.10.** Write the steps to draw Decision Tree and Decision Table. Draw Decision Tree and Decision table with suitable example **20**