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

SUBJECT : SOFTWARE ENGINEERING

Day   :   Monday   **S-2018-1757**   Time :   **02.00 PM TO 05.00 PM**

Date   :   30/04/2018   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 [15] Life Cycle Requirement phase.

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 [15] explain in brief?

Q.5 What are E-R diagram concepts? Explain with example E-R diagrams for any [15] business software application.

Q.6 Explain in detail various software development models in brief. Write stages [15] in waterfall model.

Q.7 What is the role of team leader in software development? Explain functions of [15] programmer in software development in brief.

SECTION – II

Q.8 Explain in detail various testing methods with advantages and disadvantages [20] for the same.

Q.9 Draw data flow diagrams of various levels and E-R diagram for college [20] management system to be developed.

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

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