

M. Tech. –I (Computer Engineering) (CBCS – 2015 Course) :
WINTER - 2018

SUBJECT : ADVANCED SOFTWARE ENGINEERING

Day : Wednesday
Date : 05/12/2018

W-2018-3109

Time : 11.00 AM TO 02.00 PM
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answers to both the sections should be written in **SEPARATE** answer books.
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SECTION – I

- Q.1** Explain iterative waterfall and spiral model for software life cycle and various activities in each phase. [10]

OR

Explain concept of software evolution. Explain merits and demerits of Agile process models.

- Q.2** Explain requirements elicitation and analysis process in brief. [10]

OR

Explain desirable components of good software requirement specifications (SRS) Document.

- Q.3** What are the levels of CMMI? Explain in detail. [10]

OR

What is the need of CASE tools?

SECTION – II

- Q.4** Explain in detail user interfaces design issues and its principles. [10]

OR

What is software maintenance and its importance? What are the software maintenance types? Which category consumes maximum effort and why?

- Q.5** What are the factors that should consider when planning reuse? [10]

OR

Explain in detail generator based reuse.

- Q.6** Explain why a high quality software process should lead to high quality software products. Discuss possible problems with this system of quality management. [10]

OR

Explain how software quality assurance is ensured in a software firm.

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