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W—394—2018

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Third Year) (Fifth Semester) EXAMINATION

NOVEMBER/DECEMBER, 2018

(CBCS Pattern)

COMPUTER SCIENCE

Paper XII

(Software Engineering)

(Thursday, 6-12-2018)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) Assume suitable data, if necessary.

1. Attempt any *four* of the following : 8
 - (a) Explain the concept of Legacy software.
 - (b) What is process patterns ?
 - (c) What is agility ?
 - (d) What is Architectural Design ?
 - (e) Explain characteristics of good test.
 - (f) Enlist the problems associated with waterfall model.
2. Attempt any *two* of the following : 8
 - (a) Explain the software application domains.
 - (b) Describe the principles that focus on software engineering practice.
 - (c) Explain the personal software process.
3. Attempt any *one* of the following : 8
 - (a) Explain in detail Incremental Model.
 - (b) Describe the generic process trademark activities and umbrella activities.

P.T.O.

- 4. Attempt any *two* of the following : 8
 - (a) Explain agility principles.
 - (b) Describe the analysis Rules of Thumb.
 - (c) Describe the quality attributes for a Software Design.

- 5. Attempt any *one* of the following : 8
 - (a) Explain in detail software team structures.
 - (b) Discuss design within the context of software engineering.