

This question paper contains 2 printed pages|

**B—452—2019**

**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. (Third Year) (Fifth Semester) EXAMINATION**

**MARCH/APRIL, 2019**

**(CBCS Pattern)**

**COMPUTER SCIENCE**

**Paper-XII**

**(Software Engineering)**

**(Monday, 29-4-2019)**

**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) Define Software and Software Engineering.
  - (b) What is process patterns ?
  - (c) Enlist agility principles.
  - (d) What are characteristics of a good design ?
  - (e) What is data design ?
  - (f) What formal techniques are available for assessing the software process ?
2. Attempt any *two* of the following : 8
- (a) Describe the characteristics of software.
  - (b) Explain the generic process model.
  - (c) Describe the umbrella activities in software process.
3. Attempt any *one* of the following : 8
- (a) Explain in detail software myths.
  - (b) Explain in detail spiral model.

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4. Attempt any two of the following : 8
- (a) What factors should be considered while planning the structure of software engineering team ?
  - (b) Describe the elements of quality assurance.
  - (c) Explain the concept of software testability.
5. Attempt any one of the following : 8
- (a) What is requirement engineering ? Explain requirement engineering tasks.
  - (b) Explain in detail extreme programming process.

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