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.

P.T.O.

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 egnineering tasks.

   (*b*) Explain in detail extreme programming process.