This question paper contains **2** printed pages]

W—395—2018

FACULTY OF SCIENCE

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. Answer the following (any *four*) :   8

    (*a*) Explain the term 'Software Product'.

    (*b*) Define the terms :

        (*i*) Accuracy

        (*ii*) Correctness

    (*c*) Write the format of a project plan.

    (*d*) Explain any *one* among the other planning activities.

    (*e*) What is Symbolic Execution ?

    (*f*) What is source code matrics ?

2. Attempt any *two* of the following :   8

    (*a*) Explain the distribution of efforts in the software life-cycle.

    (*b*) Explain Delphi cost estimation technique.

    (*c*) Explain the stepwise refinement technique.

3. Attempt the following (any *two*) :   8

    (*a*) Explain the concept of type checking.

    (*b*) Explain walkthroughs and inspections.

    (*c*) Describe the process of Debugging.

P.T.O.

4. Answer the following (any *one*) : 8

   (*a*) Explain the fundamental design concep.

   (*b*) Explain Milestones, Documents and Reviews in software development process.

5. Write short notes on (any *two*) : 8

   (*a*) Managerial issues

   (*b*) Coding style

   (*c*) Programming team structure

   (*d*) Software cost factors.