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**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 matrices ?
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.