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## Y—451—2019

### FACULTY OF SCIENCE AND TECHNOLOGY

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

### NOVEMBER/DECEMBER, 2019

### (CBCS Pattern)

COMPUTER SCIENCE

Paper-XII

(Software Engineering)

**(Wednesday, 11-12-2019)**          **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 the following (any *four*) :　　　　　　　　　　　　8

　(*a*)　Explain the concept of legacy software.

　(*b*)　Enlist Agility principles.

　(*c*)　Explain the concept of process patterns.

　(*d*)　What is architectural design ?

　(*e*)　What are the characteristics of good test ?

　(*f*)　What are formal techniques available for accessing software process ?

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

　(*a*)　Describe the characteristics of software.

　(*b*)　Describe the principles that facus on software engineering practice.

　(*c*)　Explain the team software process.

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

　(*a*)　Explain in detail incremental model.

　(*b*)　Explain in detail software myths.

P.T.O.

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

   (*a*) What factors should be considered while planning the structure of software engineering team.

   (*b*) Describe the quality attributes for a software design.

   (*c*) Define Agility. Explain Agile process.

5. Attempt the following (any *one*) : 8

   (*a*) What is requirement engineering ? Explain requirement engineering task.

   (*b*) What is extreme programming ? Explain in detail.