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SF—42—2022

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Third Year) (Sixth Semester) EXAMINATION

MAY/JUNE, 2022

(Revised/CBCS Pattern)

COMPUTER SCIENCE

BCS-604A

(Software Process Management)

(Tuesday, 5-7-2022)   Time : 9.30 a.m. to 1.15 p.m.

Time— 3.45 *Hours*   *Maximum Marks*—75

N.B. :—   (*i*)   *All* questions are compulsory.

       (*ii*)   Draw neat labelled diagram wherever necessary.

1.   Solve any *five* of the following (3 marks each) :   15

   (*a*)   Explain the evolving role of software.

   (*b*)   Explain a Generic Process Model.

   (*c*)   Explain water fall Model.

   (*d*)   Explain Software Process Maturity.

   (*e*)   Explain CMM model.

   (*f*)   Explain software process in brief.

   (*g*)   Explain the concept of process metrics.

2.   Attempt any *two* of the following (5 Marks each) :   10

   (*a*)   Define software in brief.

   (*b*)   Explain software application.

   (*c*)   Explain defect removal efficiency.

P.T.O.

3. Attempt any *two* of the following (5 marks each) : 10

 (*a*) Explain the software Myths in detail.

 (*b*) Explain software procecss.

 (*c*) Explain process assessment in detail.

4. Attempt any *two* of the following (5 marks each) : 10

 (*a*) Define a framework Activity.

 (*b*) Identifying a Ttsk set

 (*c*) Discuss the concept of process patterns

5. Attempt any *two* of the following (5 marks each) : 10

 (*a*) Explain Software Proecess Maturity.

 (*b*) Explain principle of Software Process Change.

 (*c*) Explain the Manage Process.

6. Attempt any *two* of the following : 10

 (*a*) Explain software maturity framework.

 (*b*) Explain PSP and TSP.

 (*c*) Explain the optimizing process.

7. Attempt any *two* of the following (5 marks each) : 10

 (*a*) Explain software process assessment.

 (*b*) Explain software process management

 (*c*) Explain FP Metrics.