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

AA—17—2019

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2019

(Revised Course)

COMPUTER SCIENCE

(3.2)

(Software Engineering)

(Monday, 14-10-2019)   **Time : 2.00 p.m. to 5.00 p.m.**

Time—3 *Hours*   *Maximum Marks*—80

N.B. :—   (*i*)   Attempt *All* questions.

       (*ii*)   Assume suitable data, if necessary.

1.   Attempt the following :   20

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

   (*b*)   Explain the personal software process.

   (*c*)   Describe the communication practices.

   (*d*)   Explain the concept of business process engineering.

2.   (*a*)   Explain in detail RAD model.   8

   (*b*)   Explain the elements of Computer Based Systems.   7

Or

   (*c*)   Explain the process framework in detail.   8

   (*d*)   Explain the system Engineering Hierarchy.   7

3.   (*a*)   Explain the requirement Engineering Tasks.   8

   (*b*)   Explain the concept of Domain Analysis.   7

P.T.O.

Or

(c) Describe the con-current development model. 8

(d) Explain in detail Agile modeling. 7

4. (a) Explain the elements of analysis model. 8

(b) Explain the data modeling concepts. 7

Or

(c) Explain in detail Feature Driven Development. 8

(d) Explain the prototyping model. 7

5. Write short notes on (any *three*) : 15

(a) Legacy software

(b) Crystal

(c) Core principles

(d) Requirement Analysis

(e) Recognizing multiple viewpoints.