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BJ—13—2016

FACULTY OF COMPUTER STUDIES

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

OCTOBER/NOVEMBER, 2016

(Revised Course)

COMPUTER SCIENCE

Paper S3.2

(Software Engineering)

(Monday, 21-11-2016) **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*) Explain the concept of legacy software.

   (*b*) Describe personal software process.

   (*c*) Explain collaborative requirement gathering.

   (*d*) Explain core principles in S.E. practice.

2. (*a*) Explain in detail the process framework. 8

   (*b*) Explain in detail feature driven development. 7

   Or

   (*c*) Explain dynamic systems development method. 8

   (*d*) Explain RAD model in detail. 7

3. (*a*) Discuss requirement engineering tasks. 8

   (*b*) Define requirement analysis ? Explain analysis rules of thumb. 7

   Or

   (*c*) Explain in detail incremental model. 8

   (*d*) Explain the elements of analysis model. 7

P.T.O.

4. (*a*) Define system engineering. Explain elements of computer based systems. 8

(*b*) Discuss design modeling principles. 7

Or

(*c*) Describe the system engineering hierarchy. 8

(*d*) Explain concurrent development model. 7

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

(*a*) Management myths

(*b*) Crystal

(*c*) Planning practices

(*d*) Stakeholders

(*e*) Prototyping.