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BO—20—2016

FACULTY OF COMPUTER STUDIES

B.C.A. (Second Year) (Fourth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(Revised Course)

COMPUTER APPLICATION

Paper BCA S4.1

(Software Engineering)

(Wednesday, 23-11-2016)

Time : 2.00 p.m. to 5.00 p.m.

Time—Three 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) Explain the personal software process.
- (c) Explain the types of software risks.
- (d) Explain the collaborative requirement gathering.

2. (a) Explain in detail dynamic system development method. 8

(b) Describe the umbrella activities in software process framework. 7

Or

(c) Explain in detail waterfall model. 8

(d) Explain the requirement engineering tasks. 7

3. (a) Explain in detail incremental model. 8

(b) Explain the following design concepts : 7

(a) Patterns

(b) Modularity

Or

(c) What is quality control ? What are the components of cost of quality ? 8

(d) Explain in detail accessing the risk impact. 7

P.T.O.

4. (a) What is unit testing ? Explain unit test considerations and procedures. 8
- (b) Explain detail software applications. 7
- Or*
- (c) Explain in detail risk identification. 8
- (d) Explain in detail feature driven development. 7
5. Write short notes on (any *three*) : 15
- (a) Management and customer myths
- (b) Crystal
- (c) Requirement model
- (d) SQA
- (e) Black box testing.