

This question paper contains 2 printed pages]

BT—16—2016

FACULTY OF COMPUTER STUDIES

M.Sc. (SE) (First Year) (Second Semester) EXAMINATION

NOVEMBER/DECEMBER, 2016

(CBCS Pattern)

SOFTWARE ENGINEERING

Paper SE-S2.3

(Tuesday, 22-11-2016)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—75

N.B. :— (i) Question No. 1 is compulsory.

(ii) Write answers brief and to the point.

(iii) Assume suitable data, if necessary.

1. Attempt any *three* of the following : 15

(a) Explain white box testing.

(b) Explain categories of computer software.

(c) Explain validating requirements.

(d) Explain metrics for software quality.

(e) Explain prototyping model.

2. Answer the following (any *three*) : 15

(a) Explain validation testing.

(b) Explain software characteristics.

(c) Explain waterfall model.

(d) Explain black box testing.

3. Attempt any *three* of the following : 15

(a) Describe the design model.

(b) Explain spiral model.

(c) Explain software myths.

(d) Explain control structure testing.

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BT—16—2016

4. Answer the following (any *three*) :

15

- (a) Explain system testing.
- (b) Explain web engineering process.
- (c) Explain CMMI model.
- (d) Explain empirical estimation model.

5. Write short notes on any *three* :

15

- (a) Decomposition technique
- (b) Debugging
- (c) Process assessment
- (d) Evolving role of software
- (e) Software measurements.

BT—16—2016

2