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Y—452—2019

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Third Year) (Fifth Semester) (Backlog) EXAMINATION

NOVEMBER/DECEMBER, 2019

(CGPA Pattern)

COMPUTER SCIENCE

Paper-XII

(Software Engineering)

(Wednesday, 11-12-2019)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) Assume suitable data, if necessary.

1. Attempt any *four* of the following : 8
 - (a) Define software and software engineering.
 - (b) Explain Delphi cost estimation.
 - (c) What is Information Hiding ?
 - (d) Explain in brief scoping rules.
 - (e) What is static analysis ?
 - (f) What is functional test and performance test ?
2. Attempt the following (any *two*) : 8
 - (a) Explain distribution efforts in the software life-cycle.
 - (b) Explain the software cost factors.
 - (c) Explain the concept of cohesion.
3. Attempt any *two* of the following : 8
 - (a) Explain the concurrency mechanisms.
 - (b) Explain the concept of walk through.
 - (c) Explain integration testing.

P.T.O.

- 4. Attempt any *one* of the following : 8
 - (a) Explain the concept of type checking.
 - (b) Explain the quality and productivity factors.
- 5. Write short notes on (any *two*) : 8
 - (a) Developing a solution strategy
 - (b) Work break down structures
 - (c) Test Plans
 - (d) Source code metrics.