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AO—336—2018

FACULTY OF SCIENCE

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

MARCH/APRIL, 2018

COMPUTER SCIENCE

Paper XII

(Software Engineering)

(Wednesday, 25-4-2018)

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. Answer the following (any *four*) : 8
 - (a) Explain the term “Software product”.
 - (b) Define the terms :
 - (i) Efficiency
 - (ii) Correctness.
 - (c) Write the format of system definition.
 - (d) Explain any *one* among the other planning activities.
 - (e) What is Static Analysis ?
 - (f) What is Source code metrics ?
2. Attempt the following (any *two*) : 8
 - (a) Explain the project size categories.
 - (b) Explain Delphi Cost Estimation Technique.
 - (c) Explain Jackson structured programming.
3. Attempt any *two* of the following : 8
 - (a) Explain the concept of type checking.
 - (b) What is quality assurance ? How is it performed ?
 - (c) Describe the process of Debugging.

P.T.O.

- 4. Answer the following (any *one*) : 8
 - (a) Explain quality of productivity factors.
 - (b) Explain the fundamental design concepts.

- 5. Write short notes on (any *two*) : 8
 - (a) Milestones and Reviews
 - (b) Coding style
 - (c) Project structure
 - (d) Software cost factors.