

BANKURA UNIVERSITY

B. Sc. (HONOURS) FOURTH SEMESTER EXAMINATIONS, 2022

Subject: Computer Science

Course ID: 41512

Course Code: SH/CSC/402/C-9

Course Title: Software Engineering

Full Marks: 25

Time: 1 Hr. 15 Min.

The figures in the margin indicate full marks

Answer all the questions.

UNIT I

- 1. Answer *any five* of the following questions: (5×1=5)**
- a) Write down the full form of COCOMO.
 - b) What is the main difference between computer program and computer software?
 - c) How to find the size of a software product?
 - d) What is modular cohesion?
 - e) What is meant by software scope?
 - f) Write down the names of two project management tools.
 - g) What is modularization?
 - h) What are CASE tools?

UNIT II

- 2. Answer *any two* of the following questions: (2×5=10)**
- a) Discuss Spiral model.
 - b) Distinguish between software verification and software validation.
 - c) Write short note on SRS.
 - d) What are the basic design principles that are followed during software design?

UNIT III

3. Answer *any one* of the following questions:

(1×10=10)

a) Explain different testing methods.

b) What are Software Metrics? How can you measure the quality of software? Discuss different software metrics for software measurement.

(2 + 4 + 4)

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