BANKURA UNIVERSITY

B. Sc. (HONOURS) FOURTH SEMESTER EXAMINATIONS, 2021

Subject: Computer Science   Course ID: 41512

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) What is software engineering?

    b) What is DFD?

    c) What is the full form of SDLC?

    d) What is computer software?

    e) What are function points?

    f) What is SRS?

    g) Define CFG.

    h) Write down one disadvantage of the spiral model.

UNIT II

2. Answer *any two* of the following questions: (2×5=10)

    a) Write in brief on different stages of waterfall model.

    b) What are the different types of software maintenance?

    c) Write short note on COCOMO model.

    d) Define modular coupling and cohesion.

UNIT III

3. Answer *any one* of the following questions: (1×10=10)

a) Define testing. What is testability of software? What is unit testing? Define verification and validation.   (2+2+3+3)

b) Define product and process. What are the main Software Quality Assurance activities?

(5 +5)

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