



UNIVERSITY OF NORTH BENGAL
BCA Honours 4th Semester Examination, 2021

CC9-BACHELOR OF COMPUTER APPLICATION (42)

SOFTWARE ENGINEERING

Full Marks: 40

ASSIGNMENT

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.*

Answer any two questions from the following

20×2 = 40

1. (a) Explain the waterfall model and spiral model for software development life cycle and discuss various activities in each phase. 10+10
(b) Define the meaning of software quality and detail the factors which affect the quality not productivity of a software product?
2. (a) Briefly discuss and differentiate between the followings: 10+10
(i) Verification and validation (ii) Alpha and Beta testing.
(b) Differentiate between white-box and black-box testing.
3. (a) “Software Engineering is a layered technology”— justify this statement. 10+10
(b) What are the best practices for software quality assurance?
4. Write short notes on: 5×4=20
(i) Flow Oriented Modeling
(ii) Project Scheduling
(iii) Classification of Software Metrics
(iv) SRS.

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