



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL
BCA Honours 4th Semester Examination, 2022

CC9-BACHELOR OF COMPUTER APPLICATION (42)
SOFTWARE ENGINEERING

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

GROUP-A

Answer any five of the following

1×5 = 5

1. Write any two characteristics of Software.
2. What is the major difference between a software and a program?
3. Define the term metric.
4. What is a soft process?
5. What is Data design?
6. Why do we need software testing?
7. What is software validation?
8. List three major components of a software project plan.

GROUP-B

Answer any three of the following

5×3 = 15

9. Explain the advantages and disadvantages of Waterfall Model of software life cycle.
10. What do you understand by requirement gathering? Explain.
11. Write a detailed note on user interface design.
12. Explain in detail about static and dynamic analysis.
13. Write a detailed note on computer aided software engineering.

GROUP-C

Answer any two of the following

10×2 = 20

14. What is a Process Model? Explain the working of Spiral Model.
15. What is Software Reverse Engineering? When is it useful? Discuss.
16. How is cost of software product estimated? Are these estimates always correct? If not, why?
17. How is testing integrated with the life cycle of a software product? Is it sufficient to test a software product only at the end of its life cycle?

—x—