



B.C.A. V Semester Degree Examination, Sept./Oct. - 2024

COMPUTER SCIENCE

DSC 15 : Software Engineering

(NEP)

Time : 2 Hours

Maximum Marks : 60

SECTION - A

I. Answer **all** the questions.

10x1=10

1. (a) Define software engineering.
- (b) Define Elicitation.
- (c) What is functional requirements ?
- (d) What is Verification ?
- (e) What is Software Modelling ?
- (f) Write any two types of UML diagram.
- (g) What is system analysis ?
- (h) Expand RAD.
- (i) Define Testing.
- (j) What is alpha testing ?

SECTION - B

II. Answer **any four** questions.

4x5=20

2. Explain ethics of software engineering.
3. Write a short note on requirement specification.
4. Explain interaction model.



5. Explain pipeline architecture.
6. Write the difference between Verification and Validation.
7. Write advantages of acceptance testing.

SECTION - C

III. Answer **any three** questions.

3x10=30

8. Explain Software process model.
9. Write the difference between functional and non-functional requirements.
10. Draw UML diagram for bank transaction.
11. Explain model view controller.
12. Explain types of testing.

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