



K25P 3321

Reg. No. :

Name :

III Semester M.C.A. Degree (C.B.S.S. – Reg./Supple./Imp.)
Examination, November 2025
(2022 Admission Onwards)
MCA3C01 : SOFTWARE ENGINEERING

Time : 3 Hours

Max. Marks : 60

SECTION – A

Answer **all** questions. **Each** question carries **two** marks.

(10×2=20)

1. Define software engineering.
2. What are the fundamental software engineering activities ?
3. Define requirement validation.
4. Define component testing.
5. List out the golden rules of User Interface Design.
6. What is meant by design evaluation ?
7. Define software testing.
8. Define DFD.
9. Define encapsulation.
10. What is meant by nested state ?

SECTION – B

Answer **all** questions. **Each** question carries **eight** marks.

(5×8=40)

11. A) Write a note on White box testing and Black box testing.

OR

- B) Explain testing concepts in web applications.

P.T.O.



12. A) Explain flow-oriented modelling.

OR

B) Describe Software Configuration Management Process.

13. A) Explain use of case diagrams in UML.

OR

B) Explain object-oriented concepts in a software.

14. A) Describe software engineering principles.

OR

B) Explain agile development in software engineering.

15. A) Write a note on architectural design.

OR

B) Explain component level design for web apps.

