



K23P 1109

Reg. No. : .....

Name : .....

IV Semester M.C.A. Degree (C.B.S.S. – Reg./Supple./Imp.)  
Examination, May 2023  
(2020 Admission Onwards)  
STREAM 6 – SOFTWARE ENGINEERING  
MCA 4E04 : Software Testing and Quality Assurance

Time : 3 Hours

Max. Marks : 60

SECTION – A

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

1. What are the tasks included for organizing the testing process ?
2. What are the objectives of seven step process ?
3. Compare static testing and structural testing.
4. Write a note on code function testing.
5. What are the characteristics of software development maturity levels ?
6. How to assess readiness of testing client server program ?
7. Write short note on test automation.
8. Describe the scope of automation.
9. Write short note on six sigma.
10. What is Total Quality Management (TQM) ?

(10×2=20)

SECTION – B

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

11. a) How to develop baseline for your organization ?

OR

- b) Explain the seven-step software testing process.

P.T.O.



12. a) Explain white box testing and what are the things we verify in white box testing ?

OR

b) Explain black box testing in detail.

13. a) Explain software test automation.

OR

b) Explain the skills needed for automation.

14. a) How to test client / server system ? Explain.

OR

b) Explain Rapid Application Development testing.

15. a) Explain QFD in detail.

OR

b) Explain FMEA with example.

(5×8=40)

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