

FACULTY OF INFORMATICS

M.C.A. (2 Years Course) III- Semester (CBCS) (Backlog) Examination, October/ November 2023

Subject: Software Quality Testing (E-II)

Time: 3 Hours

Max. Marks: 70

**Note: I. Answer one question from each unit. All questions carry equal marks.
II. Missing data, if any, may be suitably assumed.**

Unit - I

1. a) Difference between Software Quality Assurance and Software Testing.
b) Illustrate components of software quality assurance system.
(OR)
2. a) How to do Quality assurance?
b) Describe product revision quality factors.

Unit - II

3. a) Describe Adaptive maintenance in brief.
b) Illustrate about coding errors.
(OR)
4. a) Explain about Configuration management.
b) Describe Contribution of templates to software quality.

Unit - III

5. a) Explain about software quality metrics.
b) Describe costs of software quality.
(OR)
6. a) Describe ISO 9000 and companion ISO standards.
b) Describe about Capability maturity model.

Unit - IV

7. a) Explain about Test factor in detail.
b) Describe methods for establishing a testing policy.
(OR)
8. a) Explain about developing a testing strategy.
b) Why software validation is needed?

Unit - V

9. a) Explain Testing security in detail.
b) Describe Testing a data warehouse.
(OR)
10. a) Briefly Explain Shelf software.
b) Explain Testing in a Multiplatform Environment.