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Roll No.

TMC-403(3)

M. C. A. (FOURTH SEMESTER)

MID SEMESTER

EXAMINATION, March, 2024

ADVANCED SOFTWARE TESTING

Time : 1½ Hours

Maximum Marks : 50

Note : (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each sub-question carries 10 marks.

1. (a) Define the term software testing. Why is it needed in software project development ?

(CO1)

OR

- (b) What are various difficulties faced by testing team during testing of software projects ?

(CO1)

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(2) TMC-403(3)

2. (a) What are the various limitations of software testing ? (CO1)

OR

- (b) Recognize the following methods of verification : (CO1)

- (i) Peer Reviews
- (ii) Walk Through
- (iii) Inspections

3. (a) What do you mean by Boundary Value Analysis ? Explain Normal Boundary Value Analysis. (CO2)

OR

- (b) What is the need of Equivalence Class Testing ? Explain traditional Equivalence Class Testing. (CO2)

4. (a) Analyse the steps used for SRS verification. (CO2)

OR

- (b) Examine the Software Design Document Verification and Code Reviews. (CO2)

(3)

5. (a) Explain Structural Testing. What do you mean by path testing ? Explain DD Paths. (CO2)

OR

- (b) Explain following : (CO2)

- (i) Graph Matrix,
- (ii) Slice Based Testing,
- (iii) Mutation testing

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