

Total No. of Questions: 09

BMCI (2014 & Onwards) (Sem.-5) SOFTWARE TESTING & QUALITY ASSURANCE

Subject Code: BMCI-503 M.Code: 74105

Time: 3 Hrs. Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains FIVE questions carrying FIVE marks each and students 2. have to attempt any FOUR questions.
- SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. **Answer briefly:**

- a) Differentiate between white box and black box testing.
- b) What is boundary value analysis?
- c) What is test adequacy criteria?
- d) Define Reliability.
- e) What are defect detection stages?
- Define MTTF
- g) What are debuggers?
- h) What is interface testing?
- i) What is the difference between ISO 9000 and ISO 9001?
- j) What is meant by quality audit?



SECTION-B

- 2. What is test planning? Explain the activities of test planning briefly.
- 3. What are control flow graphs? Draw control flow graphs for IF and Nested IF loops.
- 4. Discuss Ishikawa's seven basic tools.
- 5. What are the common metrics for software source code? Discuss each in brief.
- 6. What is Software Quality Management? Discuss **any one** quality standard in brief.

SECTION-C

- 7. What do you mean by Testing? What are the objectives of testing? Explain different types of testing.
- 8. What do you mean by Software Quality? What are the various attributes of quality? Explain each with examples.
- 9. What do you mean by object oriented testing? Discuss the OOT strategies in detail.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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