

Roll No.

Total No. of Pages : 02

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 :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. 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?
 - f) 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.