

Total No. of Pages : 02

Total No. of Questions : 09

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

Subject Code : BMCI-503

Paper ID : [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 verification and validation.
 - b) What do you mean by defect severity?
 - c) What is meaningfulness in measurement?
 - d) Define Reliability.
 - e) What is Test Driver?
 - f) What are the customer satisfaction metrics?
 - g) What is object oriented testing?
 - h) What is KPA?
 - i) What's the difference between ISO 9000 and ISO 9001?
 - j) What is meant by quality audit?

SECTION-B

2. What is Boundary Value Analysis? Explain it briefly.
3. What is a Defect? What are the types of defect?
4. Discuss Ishikawa's seven basic tools.
5. What are the common metrics for software design? Discuss any three.
6. What is Software Quality Management? Discuss any one quality standard in brief.

SECTION-C

7. What is Software Testing Life Cycle? What are the various activities carried under each phase of testing lifecycle? Also write the necessity and deliverables of each phase.
8. What do you mean by Software Quality? What are the various attributes of quality? Explain each with examples.
9. What is Capability Maturity Model? What are the different levels of CMM? Compare CMM and Six Sigma.