

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

B.Sc. (IT) (Sem.-6)
SOFTWARE TESTING AND QUALITY ASSURANCE
Subject Code : BSIT-602
M.Code : 74727

Time : 2 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE question(s), each question carries 12 marks.

1. What is the difference between white box testing and black box testing? Is determining test cases easier in black or white box testing? Is it correct to claim that if white box testing is done properly, it will achieve close to 100% path coverage?
2. What is the significance of verification and validation in software testing? Explain the difference between the two.
3. What is the role of quality assurance in software development? Differentiate between quality assurance and quality control.
4. What is the need of software measurement? Explain different size metrics.
5. What are testing tools? What characterizes a good testing tool? Discuss.
6. What are various issues and different strategies used for object oriented testing?
7. Discuss in detail about the need for quality standards. Compare the weaknesses and strengths of ISO 9000 and CMM.
8. Explain the concepts of six sigma and CMM. Which is more suitable and why?

Note: Any student found attempting answer sheet from any other person(s), using incriminating material or involved in any wrong activity reported by evaluator shall be treated under UMC provisions.

Student found sharing the question paper(s)/answer sheet on digital media or with any other person or any organization/institution shall also be treated under UMC.

Any student found making any change/addition/modification in contents of scanned copy of answer sheet and original answer sheet, shall be covered under UMC provisions.