

**B.SC. (I. T.) SEM. - V (CBCS - 2015 COURSE) : WINTER -
2017**

SUBJECT: SOFTWARE TESTING

Day : **Friday**
Date : **22/12/2017**

Time: **10.00 A.M. TO 01.00 P.M.**
Max. Marks: 60.

W-2017-0855

N.B.:

- 1) Attempt any **SIX** out of **EIGHT** questions.
 - 2) All questions carry 10 marks each.
 - 3) Appropriate use of figures, graphs, tables etc. is essential.
-

- Q.1** Explain the 'CMMI Framework' in detail. (10)
- Q.2** Write short notes on: (10)
- a) What types of transactions need to be tested as a part of Performance Testing?
 - b) Explain with the help of a graph, what is the optimal amount of testing?
- Q.3** Write down the difference between: (10)
- a) Recovery Testing and Performance Testing
 - b) Black Box Testing and White Box Testing
- Q.4** Explain the following terms by giving relevant examples: (10)
- a) Load Testing
 - b) Threat Modeling
- Q.5** a) As a part of website testing, list down at least 5 key features that need to be tested? (05)
- b) List down at least 5 mistakes that need to be avoided while designing a web page for a website. (05)
- Q.6** Explain the Software Testing Life Cycle. (10)
- Q.7** Explain various stages (phases) of Defect Life Cycle. (10)
- Q.8** a) While estimating the 'Testing Efforts', what are the key factors (inputs) that one must take into account? (05)
- b) What is the purpose of mentioning the 'Entry' and 'Exit' criteria in a Test Strategy Document? Give at least 2 examples each for 'Entry' and 'Exit' criteria. (05)