

**B.SC. (I. T.) SEM. - V (CBCS - 2015 COURSE) : SUMMER - 2018**

**SUBJECT: SOFTWARE TESTING**

Day : **Friday**  
Date : **25/05/2018**

**S-2018-0955**

Time: **02.30 p.m. to 05.30 p.m.**  
Max. Marks: 60.

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**N.B.:**

- 1) Attempt any **SIX** out of **EIGHT** questions.
  - 2) Figures to the **RIGHT** indicate full marks.
  - 3) Appropriate use of figures, graphs, tables etc. is essential.
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- Q.1** Explain the 'CMMI Framework' in detail. (10)
- Q.2** Write short notes on: (10)
- a) Equivalence Partitioning
  - b) Boundary Value Analysis
- Q.3** Write down the difference between (10)
- a) Quality Assurance and Quality Control
  - b) White Box Testing and Black Box Testing
- Q.4** Explain the following terms by giving relevant examples: (10)
- a) Performance Testing
  - b) Stress Testing
- 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 Lifecycle. (10)
- Q.7** Explain various stages (phases) of Defect Life Cycle. (10)
- Q.8** a) What are the key contents of a Test Strategy Document? (05)
- b) What is the purpose and structure (template) of a Test Case? What are the important columns (headings) of a Test Case written in an Excel sheet? (05)

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