

**B.Tech. SEM -VII Info. Tech. 2014 Course (CBCS) : SUMMER - 2019**

**SUBJECT: SOFTWARE TESTING**

Day: Monday  
Date: 13/05/2019

Time: 02.30 PM TO 05.30 PM  
Max. Marks: 60

S-2019-2829

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**N.B:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
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**Q1** Describe software testing life cycle phases. Also, explain the goals of software testing. (10)

**OR**

**Q1** Explain the bug life cycle with appropriate diagram. Also, differentiate between error, bug and failure. (10)

**Q2** Define the term test case? Also, write at least 10 test cases for web browser testing. (10)

**OR**

**Q2** What are the essential components of defect life cycle? Describe Defect repository structure in detail. (10)

**Q3** Explain the essential factors for usability and accessibility testing of a website. (10)

**OR**

**Q3** What is configuration testing? Describe the types of configuration testing with suitable example. (10)

**Q4** What is the need for software measurement? Describe in detail product and process quality metrics. (10)

**OR**

**Q4** What is software reliability? Discuss the metrics used to measure software failure and recovery rate. (10)

**Q5** Discuss the Ishikawa's 7 basic tools with example. (10)

**OR**

**Q5** Differentiate between software quality assurance and software quality control. (10)

**Q6** Write a note on automation testing and tools. Enlist the benefits of automation testing over manual testing (10)

**OR**

**Q6** Define the term test cases. How do you identify the test cases which are suitable for automation? Also, write test cases for keyboard of the computer. (10)

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