

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

N.B:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

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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