

B.Tech. SEM -VII Info. Tech. 2014 Course (CBCS) : WINTER - 2018
SUBJECT: SOFTWARE TESTING

Day: Wednesday
Date: 28/11/2018

W-2018-2564

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

N.B:

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

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- Q1** How does testing helps in producing good software? Differentiate between effective and exhaustive testing. (10)
- OR**
- Q1** Write the difference between: (10)
i) White box testing and black box testing
ii) Verification testing and validation testing
- Q2** Describe the concept of traceability matrix and its benefits. How traceability matrix helps to track functionality of software under testing? (10)
- OR**
- Q2** Define the term Test case. Also, write at least 10 test cases for traffic signal. (10)
- Q3** What is compatibility testing? Describe the types of compatibility testing with suitable example. (10)
- OR**
- Q3** Explain how performance testing can be carried out for website? Also, discuss the stress and load testing for website. (10)
- Q4** Explain following terms: (10)
i) Software Reliability
ii) Software Quality Metrics
- OR**
- Q4** Compare and contrast three measurement scales type : Nominal, Ordinal and Interval scale with proper examples. (10)
- Q5** Explain how software code inspection will helps to detect bugs at the early phase of development? (10)
- OR**
- Q5** Define the term Software Metrics. Discuss the need of process and product Metrics for testing the software. (10)
- Q6** Write the difference between manual and automation testing? Write test cases for testing mouse of the computer (10)
- OR**
- Q6** What is automation testing? How do you identify the test cases which are suitable for automation? (10)