

**B.TECH. SEM -V (COMPUTER) 2014 COURSE (CBCS) : WINTER -
2017**

SUBJECT : SOFTWARE TESTING

Day : **Saturday**
Date : **13/01/2018**

W-2017-2127

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.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.
- 4) Assume suitable data if necessary.

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- Q.1** a) Explain V-model for software testing in detail. [05]
b) Differentiate between static and dynamic testing. [05]

OR

- a) What is software testing? Explain role of tester. [05]
b) Explain risk and client driven approach in software testing. [05]

- Q.2** a) Explain levels of testing with example. [05]
b) What is test case? Write down test cases for 'login web page'. [05]

OR

- a) Differentiate between black box and white box testing. [05]
b) Write down test scenario for 'submit' button of login page. [05]

- Q.3** a) What are testing approaches for website testing? [05]
b) What is difference between manual testing and automated testing? Mention some automated testing tools. [05]

OR

- a) Write down testing approaches for wireless applications. [05]
b) Explain 'Testing for Security'. [05]

- Q.4** a) What is test planning? Explain it by considering appropriate example. [05]
b) What is defect management? Explain it by considering appropriate example. [05]

OR

- a) Explain Test Maturity Model in detail. [05]
b) Explain test metrics in software testing. [05]

- Q.5** a) Explain Agile Vs Waterfall method. [05]
b) Explain role of a tester in accordance with agile methodology. [05]

OR

- a) Explain Dynamic Software Development Method. (DSDM) in accordance with Agile methodology. [05]
b) What is agile methodology? Explain role of agile tester. [05]

- Q.6** a) Explain 'Quality Control' in software testing. [05]
b) Write down principles of agile testing. [05]

OR

- a) Explain appropriate example to explain agile testing techniques. Draw the cause and effect diagram of respective example. [05]
b) Write down software testing standards including ISO and IEEE. [05]

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