

**B.TECH. SEM -VII INFO. TECH. 2014 COURSE (CBCS) :**

**SUMMER - 2018**

**SUBJECT: SOFTWARE TESTING**

Day : **Wednesday**  
Date : **23/05/2018**

**S-2018-2509**

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) Assume suitable data, if necessary.
- 

**Q.1** Differentiate between : **(10)**  
i) Verification and Validation  
ii) White box and Black box testing

**OR**

How does testing helps in producing good software? Differentiate between effective and exhaustive software testing. **(10)**

**Q.2** What is test process? How test management is responsible for administration of test process? **(10)**

**OR**

What is a defect and defect repository? Describe defect life cycle in detail. **(10)**

**Q.3** Write a note on Configuration testing for a system. **(10)**

**OR**

Enlist the quality aspects of website. Describe the performance factors for the website testing. **(10)**

**Q.4** Describe product and process quality metrics. **(10)**

**OR**

Why to perform software measurement? Describe the software measurement scales. **(10)**

**Q.5** Write a note on Ishikawa's Testing tools. **(10)**

**OR**

Explain with example the six sigma measure of software quality. **(10)**

**Q.6** Define test case? How will you identify the test cases suitable for automation? **(10)**

**OR**

What is the need of automating the testing activities? What are the guidelines for selecting a testing tool? **(10)**

\* \* \* \* \*