

**B.SC. (I. T.) SEM. - VI (2011 COURSE) : SUMMER - 2018**  
**SUBJECT : SOFTWARE TESTING**

Day : **Thursday**  
Date : **24/05/2018**

**S-2018-0989**

Time : **10.00 am to 12.00 Noon**  
Max. Marks : 40

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**N. B. :**

- 1) Solve **ANY EIGHT** questions.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labeled diagram **WHEREVER** necessary.
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- Q. 1**      What is software testing? Explain the need for testing and the prerequisites for testing.      **(05)**
- Q. 2**      What is 'System Testing'? Explain any two types of system testing.      **(05)**
- Q. 3**      What are software defects? How are they managed?      **(05)**
- Q. 4**      Define priority and severity? What is the difference between priority and severity?      **(05)**
- Q. 5**      Explain cyclomatic complexity/independent program paths. How cyclomatic complexity is calculated?      **(05)**
- Q. 6**      Explain the loop flow technique of White Box Testing.      **(05)**
- Q. 7**      What are the different testing approaches? Explain any one of them in detail.      **(05)**
- Q. 8**      What is a test plan? What are the contents included in a test plan?      **(05)**
- Q. 9**      What is Software Quality Assurance and Quality Control? Differentiate between Quality Assurance and Quality Control.      **(05)**
- Q. 10**      Write short notes on **ANY TWO** of the following:      **(05)**
- a) Walkthrough review
  - b) Web testing
  - c) Inspection and Audit
  - d) Recovery testing

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