

**M. SC. (COMPUTER SCIENCE) SEM – II (CHOICE BASED
CREDIT & GRADE SYSTEM) : SUMMER - 2018
SUBJECT: ELECTIVE: a) SOFTWARE TESTING**

Day: **Thursday**
Date: **19/04/2018**

S-2018-0925

Time: **03.00 PM TO 06.00 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.
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Q.1 Describe the spiral and waterfall life cycle models in detail. **[15]**

OR

Illustrate the concept of coding standards and guidelines with example.

Q.2 **A)** Answer any **ONE** of the following: **[08]**

- i) Illustrate the concept of developing the test plan.
- ii) Explain testing axioms in detail.

B) Answer any **ONE** of the following: **[07]**

- i) Describe the static and Dynamic testing.
- ii) Write a note on Big Bang Model.

Q.3 Answer any **THREE** of the following: **[15]**

- a) Illustrate the software design documentation and Reporting.
- b) Explain CMM (Capability Maturity Model) in detail.
- c) Explain the Verification and Validation.
- d) Describe different software testing tools.
- e) Write a note on website testing.

Q.4 Write short notes on any **THREE** of the following: **[15]**

- a) Software Quality Assurance
- b) Foreign Language Testing
- c) Test security
- d) Software Failure Terminologies
- e) Benchmarks

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