

M. SC. (I.T.) SEM. – III (C.B.C.S. COURSE) (2015 COURSE) :
SUMMER - 2018
SUBJECT: SOFTWARE TESTING

Day: **Tuesday**
Date: **22/05/2018**

S-2018-1033

Time: **02.30 pm to 05.30 pm**
Max Marks: 60

N.B:

- 1) Answer any **FIVE** questions.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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- Q.1** a) What do you mean by software testing? Give two traditional definitions. (02)
- b) Explain software development life cycle. (05)
- c) Differentiate between Verification and validation. What are the different techniques involved in verification and validation. (05)
- Q.2** a) Explain test plan in detail. (06)
- b) Explain black box testing with its techniques. (06)
- Q.3** Define and explain the following with examples. (12)
- a) System Testing
 - b) Alpha Testing
 - c) User Acceptances Testing
 - d) Gorilla Testing
- Q.4** a) Explain in detail Testing Life Cycle with diagram. (06)
- b) What is severity and priority? What are different types of severity? Explain how the priorities are assigned based on severity. (06)
- Q.5** a) What is the difference between regression testing and retesting? Justify your answer with real world example. (06)
- b) What is cyclomatic complexity? How it is calculated and where it is used? (06)
- Q.6** a) What is a system testing? What are the different types of system testing? (06)
- b) Explain Defect Life Cycle with a neat diagram and a suitable example. (06)

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