

**B.Tech Sem – VIII (2007 Course) (Computer Engg.) : WINTER
- 2017**

SUBJECT: ELECTIVE –II: SOFTWARE TESTING

Day : Wednesday
Date : 22/11/2017

W-2017-2662

Time : 02.30 PM TO 05.30 PM
Max.Marks : 80

N.B.

- 1) **Q. No 1 and Q. No.5 are COMPULSORY.** Out of remaining questions answer any **TWO** questions from each section.
- 2) Figures in to the right indicate **FULL** marks.
- 3) Answer to both the section should be written in **SEAPRATE** answer book.
- 4) Assume suitable data if necessary.

SECTION-I

- Q.1**
- a) Differentiate between quality control and quality Assurance. (04)
 - b) Explain in short five methods of system level testing. (05)
 - c) Discuss about need of organizational structure. (05)
- Q.2**
- a) Draw and explain various stages of software testing life cycle. (07)
 - b) Illustrate various artifacts generated from the testing phase of software project. (06)
- Q.3**
- a) Develop black box test cases for an ATM system which reads the amount to be withdrawn from the users account .The amount has to be a multiple of Rs. 100 and be less than Rs.10, 000. List any assumption you make and label equivalence classes and boundary values that you use. (07)
 - b) What is control flow graph? How it is used in white box testing (06)
- Q.4**
- a) Explain the process of building test cases. (07)
 - b) Write short notes on: (06)
 - i) Management tools
 - ii) Role of process Engineering manager.

SECTION-II

- Q.5**
- a) What kind of testing should be perform for testing Data-Warehouse products? (05)
 - b) Describe about premature release risk? (05)
 - c) Write short note on SMART. (04)
- Q.6**
- a) What are the parameters of object oriented testing? (07)
 - b) Explain detail about COTS. (06)
- Q.7**
- a) List and explain different risks in the software development .How risk can be minimized. (07)
 - b) List different components of test plan and explain any five them. (06)
- Q.8**
- a) Explain defect life cycle in detail. (07)
 - b) Write short notes on: (06)
 - i) Agile Testing
 - ii) TMM.

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