

**B.TECH. SEM -V ( COMPUTER) 2014 COURSE (CBCS) :  
SUMMER - 2018  
SUBJECT : SOFTWARE TESTING**

Day : **Tuesday** Time : **10.00 AM TO 01.00 PM**  
Date : **22/05/2018** S-2018-2335 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.
- 4) Assume suitable data if necessary.

**Q.1** a) Discuss in brief about Software Testing techniques. [05]  
b) Compare Quality Control and Quality Assurance. [05]

**OR**

- a) Differentiate between static vs dynamic testing. [05]
- b) List out and explain various deliverables generated during software testing process. [05]

**Q.2** a) Describe with example verification techniques. [05]  
b) Write short notes on : Performance Testing. [05]

**OR**

- a) Enlist and describe characteristics of good test cases. [05]
- b) Write short note on : usability testing. [05]

**Q.3** Write down test scenario for testing a system of online shopping. [10]

**OR**

Explain in detail how testing is performed in object oriented system. [10]

**Q.4** a) Describe various methods for test metrics. [05]  
b) Prepare a test plan document for washing machine system. [05]

**OR**

- a) Explain GQM paradigm. [05]
- b) Prepare defect report for airline reservation system. [05]

**Q.5** a) Describe the role of the agile tester. [05]  
b) Discuss various methods of agile testing. [05]

**OR**

- a) Draw and explain agile testing life cycle. [05]
- b) Compare agile vs waterfall model. [05]

**Q.6** a) List out Kaorn Ishikawa's QC tools in detail. [05]  
b) Write short note on: Software testing IEEE 829. [05]

**OR**

- a) Prepare a histogram and pareto chart for e-book library. [05]
- b) Write short note on: Six Sigma. [05]

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