**MADURA – V (2014 COURSE) (CBCS): WINTER – 2016**
**SUBJECT: SOFTWARE TESTING**

Day : Monday
Date : 05-12-2016

Time: 2.30 P.M. To 5.30 P.M
Max. Marks: 60

**N.B:**
1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Assume suitable data if necessary.

Q.1 a) With a neat block diagram explain 'V' model used for software testing. [05]
 b) Explain various levels of testing. [05]

**OR**

 a) Describe how iterative development takes place in software testing process. [05]
 b) Explain following with example: [05]
  i) Error  ii) Faults  iii) Failures  iv) Test bed  v) Test suit.

Q.2 a) Discuss about various verification techniques. [05]
 b) Write functional and boundary test cases for university admission process. [05]

**OR**

 a) Write short notes on: [05]
  i) Regression Testing  ii) Usability Testing
 b) Design test cases for online shopping system. [05]

Q.3 a) Explain COTS in detail. [05]
 b) Write short note on: [05]
  i) Defect tracking tool  ii) GUI testing tool

**OR**

 a) What approach are considered for testing a mobile application discuss in detail? [05]
 b) Write short note on Configuration Management Tool [05]

Q.4 Develop a test plan for testing a software of result analysis of the university. [10]

**OR**

 a) How the tester understand risks while testing software? [05]
 b) What is defect metrics explain in detail? [05]

Q.5 a) Compare Exploratory testing and Agile testing. [05]
 b) Write a note on Extreme Programming. [05]

**OR**

 a) What are various risks involved in agile projects discuss about it? [05]
 b) How acceptance criteria is used in agile projects? [05]

Q.6 a) Describe in detail plan-do-check-act. [05]
 b) Write short note on ISO Standards. [05]

**OR**

Describe with respect to agile testing following forms: [10]
 i) Histogram  iii) Check sheet  v) Flow chart
 ii) Scatter diagram  iv) Pareto chart

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## 32781

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