

Code No: 136FY**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, November/December - 2020****SOFTWARE TESTING METHODOLOGIES****(Common to CE, EEE, ME, ECE)****Time: 2 hours****Max. Marks: 75****Answer any five questions
All questions carry equal marks**

1. Explain various Dichotomies in Software Testing. [15]
2. Define Transaction and discuss Transaction flow testing with an example. [15]
3. Write short notes on the following:
a) Linear domain boundaries
b) Non linear domain boundaries
c) Complete domain boundaries. [5+5+5]
4. Reduce the following functions using K-Maps and explain k-map use in logic based testing: $F(A,B,C,D) = P(4,5,6,7,8,12,13)+d(1,15)$. [15]
5. Describe the procedure for converting state graphs and state tables into test cases. [15]
- 6.a) Explain the consequences of bugs in detail.
b) Write various graphical notations used in Flow graph. [7+8]
- 7.a) Illustrate the differences between Control Flow and Transaction flow.
b) Explain the terms slicing, dicing, data flow and debugging with reference to testing. [7+8]
8. Write about domain closure and domain dimensionality. [15]

---ooOoo---