

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (OLD) EXAMINATION – WINTER 2018****Subject Code: 173102****Date: 15/11/2018****Subject Name: Software Testing And Quality****Time: 10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Draw and explain V-model for testing and development phases **07**
(b) How failure and fault are related with each other. Explain their significance with respect to error and defects. **07**
- Q.2** (a) What is static and dynamic testing? Explain with examples. **07**
(b) Define DFG and discuss any one example of it **07**
- OR**
- (b) Define CFG and discuss any one example of it. **07**
- Q.3** (a) How do we define robustness of a system? Give its types and discuss them. **07**
(b) How Integration testing is useful? Explain incremental approach of it. **07**
- OR**
- Q.3** (a) Define ON and OFF points in Domain Testing with example. **07**
(b) Explain Domain errors and their effect on system. **07**
- Q.4** (a) What are OTS components? Explain testing for these components. **07**
(b) Explain data flow anomaly in detail. **07**
- OR**
- Q.4** (a) What is functionality testing? Explain its role in overall testing of a system **07**
(b) Explain the GUI Testing with example. **07**
- Q.5** Attempt ANY FOUR **14**
(1) Five views of Quality.
(2) Sandwich approach.
(3) Black box v/s White box testing.
(4) Pair wise testing
(5) Beta Testing
(6) Mutation testing.
