# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
## TEST – 1 EXAMINATION, SEPTEMBER 2016
## M.TECH III SEMESTER

COURSE CODE: 14M1WEC331                                      MAX. MARKS: 15

COURSE NAME: Fault-Tolerant Comm. Networks                  MAX. TIME: 1 HR

**Note: *All questions are compulsory. Carrying of mobile phone during examination will be treated as case of unfair means.***

Q-1: Explain the system by approach of network design.                                      [2]

Q-2: What is reliability assessment framework proposed by the AT&T Lab?                      [3]

Q-3: What is principle of dual homing? Also explain the different phases of reversion cycle.   [3]

Q-4: Explain with example the difference between global and local recovery.                   [3]

Q-5: Failure data for 5 components are given below:

| Failure No | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Operating time , Hours | 8 | 20 | 34 | 46 | 63 |

Compute and plot failure density, failure rate, reliability and unreliability                 [4]