**Unit-3 Advanced Transaction Processing**

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| **Sr. No.** | **Question** | **Mark** |
| 1 | Explain Transaction-Processing Monitors. | 7 |
| 2 | List and Explain TP-Monitor Architectures. | 8 |
| 3 | Describe in detail many-server, many-router model. | 8 |
| 4 | Draw diagram of TP-monitor components and describe working of each component. | 8 |
| 5 | Explain Transactional Workflow. | 7 |
| 6 | Draw diagram and explain Workflow in loan processing. | 8 |
| 7 | Describe Workflow Specification. | 7 |
| 8 | Describe Failure-Atomicity Requirements of a Workflow. | 7 |
| 9 | Explain i) Execution of Workflow and ii) Recovery of a Workflow | 8 |
| 10 | Explain E-Commerce w. r. t. E-Catalogs, Marketplace, Order Settlement etc. | 8 |
| 11 | Explain Main-Memory Databases. | 7 |
| 12 | Describe Group Commit in main memory databases. | 7 |
| 13 | Explain Real-Time Transaction System. | 7 |
| 14 | Explain Log-Duration Transactions. | 8 |