

## UNIT I MULTI-CORE PROCESSORS

### 16MARKS

1. Discuss SIMD and MIMD systems in details with suitable diagram. [Answer](#)
2. Interconnection networks [Answer](#)
3. Cache coherence [Answer](#)
4. Parallel program design [Answer](#)
5. Symmetric and Distributed Shared Memory Architectures (Write about UMA and NUMA in MIMD Systems)
6. Performance Issues (Refer Class notes)
7. single core to multi core architecture and Compare single core and multi core processor (You can find answer in your class notes, very 1<sup>st</sup> topic in syllabus)