

TOP 15 IMPORTANT QUESTIONS (Unit-3)

COA CS-404

Super Important

1. Explain DMA Controller with block diagram.
2. Explain DMA transfer process.
3. Explain PCI Bus Architecture.
4. Explain USB Architecture.
5. Explain SCSI Bus.
6. Explain I/O Processor with diagram.
7. Compare DMA and I/O Processor.
8. Explain Serial Data Transfer.
9. Explain Parallel Data Transfer.
10. Compare Serial and Parallel Transfer.

Important

11. Explain Synchronous Data Transfer.
 12. Explain Asynchronous Data Transfer.
 13. Compare Synchronous and Asynchronous Transfer.
 14. Explain I/O Interface.
 15. Explain Handshaking Mechanism.
-

One-Night Before Exam Questions

If you want maximum marks in minimum time, prepare these first:

- DMA Controller & DMA Transfer
- PCI Bus
- USB

- ✓ I/O Processor
- ✓ Serial vs Parallel Transfer
- ✓ Synchronous vs Asynchronous Transfer

These topics account for the majority of Unit-3 questions appearing repeatedly in the PYQs you uploaded from 2022–2025 and are the strongest candidates for the 2026 COA paper.