UNIT - III

3. a) Explain classical method of hardwired control unit design.   10

    b) What is microprogrammed control unit ? What are drawbacks of
        microprogrammed control unit & compared it with hardwired control unit ?   10

    c) For a single bus CPU, write the sequence of micro instruction to execute an
        instruction MUL A, NUM where NUM is memory location and A is CPU
        register.   10

UNIT - IV

4. a) What is virtual memory ? How logical address is translated into physical
        address in virtual memory.   10

    b) Compare SRAM, DRAM and RDRAM ?   10

    c) Describe briefly features of flash memory ? With its application ?   10

UNIT - V

5. a) Describe UNIBUS standards with reference to its signals, need, timing
        diagrams and advantages.   10

    b) Explain SCSI, PCI bus in detail.   10

    c) Explain I/O channels and write advantages of RISC ?   10

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