

230915

VCD F.Y.B.S.C (C.S.) - Computer I - SEM-II - 2014-15 - 75 - 2½HRS

Q.1 Answer the following.(Attempt any four)**[20marks]**

- Explain interrupt driven input output.
- Describe difference between SRAM and DRAM.
- Explain DMA.
- Explain optical memory in detail.
- Explain cache memory principles.
- Explain magnetic disk in detail.
- Explain process lifecycle.
- Describe interrupt with its types.

Q.2 Answer the following.(Attempt any four)**[20marks]**

- Explain operating system with its services.
- Explain swapping in detail.
- Explain multiport memory.
- Explain time shared bus.
- Describe in detail advantages of time sharing operating system.
- What are the characteristic of input output channel.
- Describe batch operating system.
- Explain scheduling with its types.

Q.3 Answer the following. (Attempt any four)**[20marks]**

- Write a program in assembly language to find largest of numbers.
- Write a program in assembly language to transfer block of data.
- Explain 8085 microprocessor architecture.
- Explain register organisation.
- Explain different types of operations.
- How instruction is represented in assembly language.
- Describe instruction cycle state diagram.
- Write a program to find 1's complement.

Q.4 Answer the following.(Attempt any three)**[15 marks]**

- Explain RAID.
- Explain process control block.
- Write a program in assembly language for addition of two numbers.
- Explain paging in detail.
- Explain magnetic tape.
- Explain external devices with block diagram.