



( 2 )

- (c) Explain arithmetic and logical operation used in register transfer.
  - 3. (a) Explain different types of instructions.  
(b) Describe simple properties of I/O devices and their controllers.  
(c) Explain input-output organization.
  - 4. (a) Explain stack organization.  
(b) Explain parallel processing.  
(c) What is assembler? Explain assembly language with example.
  - 5. (a) Explain different types of data transfer.  
(b) Explain data communication processor.  
(c) What is memory? Describe memory hierarchy in detail.
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