

## **EC6504-MICROPROCESSOR AND MICROCONTROLLER**

### **UNIT-IV**

#### **PART-A**

1. Discuss the salient features of 8051 family of controllers.
2. How many ports are available in 8051 micro controller?
3. List any applications of Microcontroller.
4. What is the difference between microprocessor and microcontroller? (May/Jun 2014)
5. What is the difference between MOVX and MOV? (Nov/Dec 2013)
6. What happens in power down mode of 8051 microcontroller?
7. List the flags of 8051 and give their usage
8. What is the size of RAM in 8051?

#### **PART-B**

1. Draw the pin configuration of 8051 and explain the function of each pin in detail. (6)  
**(May/Jun 2014)**
2. Explain the internal and external data memory organization of 8051. ( Nov/Dec 2013)
3. Draw the architecture of 8051 and explain. (16)
4. (i) Explain in detail the different addressing modes supported by 8051. (8)  
(ii) How do you classify the instruction set of 8051? (8)