**Name :Abdelrahman Tarek Awny**

**Section : 4**

**Q1: Write notes about the types of ROM?**

* **Mask Programmed ROM.**

**A type of ROM programmed during Manufacturing.**

* **Programmable Read-Only Memory (PROM).**

**Blows out fuses to produce '0'.**

* **Erasable Programmable ROM (EPROM).**

**Erases all data by Ultra Violet exposure.**

* **Electrically Erasable PROM (EEPROM).**

**Erases the required data using an electrical signal.**

**Q2: The main difference between RAM and ROM is**

Answer: The main difference is RAM is able to Read and Write data, While ROM can only read data.

**a) Read / Write**

**b) Read Only**

**c) No Read / Write**

**d) None of the above.**

**Q3: The size of Memory is depending on**

**->a) Address lines**

**b) Data lines**

**c) OR gates**

**d) Address lines and Data lines**

**Q4: True or False**

**1. 1 bit = 8 bytes [ F ]**

**2. 16-Byte word = 4 bytes [ F ]**

**3. 32-bit word = 4 bytes [ T ]**

**4. RAM is able to provide READ / WRITE [ T ]**

**5. ROM is programmed and the data is stored based on Hexadecimal system [ F ]**

**6. G(giga)=2^20, it means the number of address lines is 20 [ F ]**

**7. 64K = 2^16, the address lines is 64. [ T ]**