



University of Technology
Computer Science Dept.



Date: 12 /9/ 2017
Time: 3 hours

Final Exam
Second Trial
2016-2017

Subject: computer organization
Class: 1st / Course (1)
Branch: All branch

Note: Choose seven questions, 10 marks for each.

Q1/ Define the following: (Choose five only)

- | | | |
|---------------------|--------------------|---------------------|
| 1. Computer. | 2. Program Counter | 3. PROM |
| 4. Operating System | 5. URL | 6. Address Register |

Q2/ Answer the following:

- Describe the logical structure of a computer with diagram.
- How does CPU execute each instruction? (List a series of steps).

Q3/ Find the differences between the following: (Choose two only)

- RAM and ROM.
- VLSI and MSI.
- Dynamic and Static RAM.

Q4/ List and explain the several basic parameters which determines the performance of hard disk drive and how does the hard disk drive work.

Q5/ What are the functions and operations of Control Unit? (List briefly).

Q6/ Explain the main memory units functions.

Q7/ Describe the following:

- Semiconductors memory.
- EPROM.
- Flash memories.
- Networking.

Q8/ What are the purpose of system programming, explain and list software components.

» Good Luck «