

Subject: computer organization & Information Technology	University of Technology Computer Science Dept.	Class: 1 <sup>st</sup> Time: 3hrs الدور الاول
Examiner: Ekhlas Khalaf	Final exam 2009/2010	

٢- لكل سؤال ١٤ درجة فقط

ملاحظه: ١- الاجابه على خمسة اسئله فقط

**Q1/** Answer the following : ( ONLY Two )

**A/** Describe how database approach overcomes the problems associated with the traditional file environment?

**B/** List the tasks of operating system

**C/** Explain in details the term (Virtual Memory)

**Q2/ A/** Describe the design and functioning of the central processing unit.

**B/** Describe what the internet is, how it works? Then list the differences between internet and The intranet.

**Q3/** Define the following ( ONLY SEVEN )

- |                   |               |                    |                       |
|-------------------|---------------|--------------------|-----------------------|
| 1-Data model      | 2-Topology    | 3-Search engine    | 4-Replicated database |
| 5-Memory capacity | 6-multiplexer | 7-multiprogramming | 8-IS                  |

**Q4/ A /** Differentiate between the following:-

1-Input & Output Technologies

2-RAM & Magnetic tapes

**B/** Explain in details (Machine language)

**C/** What are the components of a telecommunication system?

**Q5/ A/** "Networks are essential to modern businesses for many reasons" list these reasons, and then classify the major types of networks.

**B/** Differentiate between twisted pair cable & fiber optical cable

**Q6/ A/** what are the differences between system software & application software?

**B/** what are the features of microcomputers?

**C/** What are the functions of network communications Software?