

## Assignment8

AD

1. Which of the following statements is correct? (multiple choices) (2 pts)

- A)** The output of a flip-flop will flip or flop between two values under control of external stimuli.  
 B) The content in the ROM can only be changed when the laptop is turned on, not at other times.  
 C) From the user's point of view, a file is the smallest amount of data that can be written to main memory.  
**D)** Ultimately, text files and binary files on a computer are stored as binary digits.

2. Please use other gate circuits to build OR gate circuits and give the truth table.

(2pts)

Input		Output
0	0	0
1	0	1
0	1	1
1	1	1

BCD

3. If the power of the computer is suddenly cut off while it is working, the data in \_\_\_\_\_ will be lost. (multiple choices) (2 pts)

- A. ROM   **B. SRAM**   **C. DRAM**   **D. Register**   E. Magnetic disk   F. Compact disk

4. List four measurements for evaluate a disk system's performance. (2 pts)

5. What are the value of the most significant bit and the least significant bit in the organization of a byte-size memory cell represented by the following decimal notations? (2pts)

4. (2pts, each 0.5pts)

- 1) Seek time
- 2) Rotation delay or latency time
- 3) Access time
- 4) Transfer rate

5. most significant bit , least significant bit (2pts)

- 1) 1 1
- 2) 0 0