**ICR100 Information Technology Essentials**

**Final Exam**

*Introduction*

*Read the question and all answers carefully, some of the questions have more than one answer, In that case I indicate how many answers are correct. If you feel any question is wrong or there is no answer correct feel free to write your ideas, if you convince me that you understood the concept, you will get the credit for the question.*

1. *Which set of the following devices are all input devices*

**Answer: b**

1. Keyboard, Monitor, Digitizer
2. Keyboard, Printer, Joystick
3. Keyboard, Mouse, Scanner
4. Pinter, Monitor, Speaker
5. *There is a part in CPU which is responsible for timing, what is this part*

**Answer: c**

1. ALU
2. Cache
3. Control Unit
4. Modem
5. *How can you possibly delete a part of a ROM*

**Answer: a**

1. With ultra violet beam
2. With X-ray
3. With infra-red beam
4. It is impossible
5. *How can you possibly delete the entire content of a ROM*

**Answer: a**

1. With ultra violet beam
2. With X-ray
3. With infra-red beam
4. It is impossible
5. *If you pay 0.000001 cent for every one bit on your hard disk, what is the cost of saving 1 MB File?*

**Answer: a. 1mb => 8,000,000bit**

1. Almost 8 cents
2. Almost 24 cents
3. Almost one dollar
4. Almost 54 dollars
5. None of the above
6. *Which one of the following language translators are working in an intermediate level*

**Answer: a**

1. Assembler
2. Interpreter
3. Compiler
4. Machine code
5. *For a user to work with a computer first software that he/she needs is*

**Answer: c**

1. An application program
2. A language translator
3. An operating system
4. A utility software
5. *What is the role of utility software*

**Answer: d**

1. It is a necessary software for a computer to work
2. It makes the user’s work easier
3. It translates human’s language to machine language
4. It is an interface between hardware and user

*Part II*

*Indicate which sentence is true or false, choosing only true or false will not give you any credit since I need to know your reasons.* ***Explain your answer with a sentence or two****.*

1. *ALU is responsible for save the data in ROM.***Answer:** *No. Saving data is the responsibility of RAM. ALU performs simple addition, subtraction, multiplication, division, and logic operations*
2. *All data in RAM is deleted when you turn off your computer***Answer: Yes. Because RAM is volatile memory and the data is stored temporarily**
3. *Tapes can be used for retrieving safety critical system’s information.***Answer: Yes. The low cost of tape has kept it viable for long-term storage and archieve**
4. *Information is copied on different disks because disks are very trustable storage devices.***Answer: Yes. Data security on an external disks are pretty strong. However, if we broaden security to include reliablity, disks start to look a lot less attractive**
5. *LCD monitors are faster than CRT monitors***Answer: No. CRT monitors are faster than LCD monitors. Pros of CRT monitors are multisync capable, high refresh rates, and cheap.**
6. *Input device is for entering data to computer***Answer: Yes. Input device is any hardware device that sends data to computer, allowing us to interact with and control it.**
7. *Speaker is an Input device.***Answer: No. It obtain data from computer or another device and produce sound from it**
8. *Clock pulse is the part of the computer that tell you the time zone that the computer is located at***Answer: No. Clock pulse is for speed of CPU like Hertz**
9. *User programs are kept in RAM in a part that is known as Kernel***Answer: No. Programs, files, and data are stored in ROM**
10. *Cache is the slowest memory in the computer***Answer: No. Cache is for fastest memory**
11. *Laser printers are the least economical printers***Answer: No. Laser printer is more cost-effective than inkjet printer because its consumables are sustantial**
12. *Bar code reader is an output device.*

**Answer: No. Bar code reader only read(input) bar code to transfer data**

Each question has 2 points