Question # One:(60 Marks)
Select the best answer for each of the following questions and put your answers in the given Table at page 5 .

1) Many of the most important developments in the earliest days of the computer were motivated by what event?

    A. world War I
    B. World War II
    C.. Palestinians dispora 1948 (نكبة 48)
    D. Establishing INTEL Company

2) Which represents the order in which computer circuitry evolved through three generations of technology?

    A. Silicon chip, vacuum tube, transistor
    B. vacuum tube, silicon chip, transistor
    C. Transistor, vacuum tube, silicon chip
    D. Vacuum tube, transistor, silicon chip

3) The decimal number 17 written in Binary:

    A. 1101   B. 1001
    C. 10001   D. None of the above

4) The binary number 11001 greater than the binary number 1111

    A. true   B. false
    C. error   D. None of the above

5) One megabyte equals approximately

    A. 1000 bits   B. 1000 bytes
    C. 1 million bytes   D. 1 million bits

6) A computer's internal bus can be connected to an external peripherals through.
    A. CPU   B. A flash

    C. A port   D. RAM

7)   When you first turn on a computer, the CPU is preset to execute instructions stored in:

    A. RAM   B. Hard disk
    C. The CPU   D. ROM

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8) Nonvolatile memory

    ✗ A. Can be thrown in a fire without exploding

    ✗ B. Cannot be used to store programs.

    (C.) Can keep its contents without a flow of electricity

    ✗ D. Loses its contents with a flow of electricity

9) Information travels between components on the motherboard through:

    A. Ports   B. peripherals

    C. flash memory   (D.) buses

10) Which of these is both an input and an output device?

    A. Speakers   B. A sensor

    C. A plotter   (D.) A touch screen

11) A multifunction printer generally includes several devices, including

    (A.) a Scanner   B. a CRT monitor

    C. a DVD drive   D. All of the above

12) Most digital cameras today store images using:

    (A.) DVD - RAM   B. CD - ROM

    ✗ C. Flash Memory   ✗ D. All of the above

13) Which of the following storage devices is sequential access:

    A. Flash memory   B. Hard disk

    C. CD - ROM   (D.) Magnetic Tape

14) Lazer printer is considered to be:

A) Non – impact input device   B) Impact input device
C) Non –impact output device   D) Impact output device

15) Which of the following is an output device only:

X A. Mouse   X B. RAM

C. Screen   D. Printer

16) CPU in the same family are generally designed to be

A. Forward compatible   B. Backward compatible
C. Parallel compatible   D. None of the above

17) The first microprocessor was invented by ----------------- engineers

A. Intel   B. Microsoft
C. Apple   D. None of the above

18) Software that converts voice data into words that can be edited and printed:
A. Microsoft word software
B. Acrobat software
C. Speech recognition software
D. None of the above.

19) Image quality affected by
A. Resolution only
B. Color depth only.
C. Resolution and color depth
D. None of the above

20) The main usage for magnetic tape is
A. To access data sequentially
B. backup
C. Reliability
D. Can be stored in any environment

Please put all of your above answers here:

Question #	Answer
1.	B
2.	D
3.	C
4.	A
5.	C
6.	C
7.	D
8.	C
9.	D
10.	D
11.	A
12.	A C
13.	D
14.	C
15.	C
16.	B
17.	A
18.	C
19.	C
20.	B

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Question Two (5 points for each part

A : Differentiate between RAM and ROM?

RAM	ROM
Voletile	Non-voletile
Temporarily store information	Parmenantly store information
Randomly access data	sequently access data
rewritable and can be edited	Non-rewritable and its content can't change
assists cpu in operations	Contains the OS and helps cpu startup

(5)

B : What do we mean by computer network ?

A set of computers connected together in a network
to ease the accessabilty to each other. (LAN network intra)
(WWW inter net network)

(3)

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C : Explain the needs to each one of the following :

Ports A computer's internal bus can be connected to an external peripheral

Peripherals different devices that are connected through ports and slots like storage devices

Slots used to connect internal devices like additional RAMs and expansions

And give an example on each one?

Ports; usb port, HDMI.

Peripherals: flash drive, mouse, printer.

slots : Ram expansions slots

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D : Differentiate between primary storage and secondary storage and give an example on each one?

Primary storage: stores data temporarily   like RAM.

Secondary storage: stores dat permanintly , like ROM, harddrives

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E : Differentiate between hard disk and magnetic tape?

Hard disk	magnetic tape
Random access	~~subse~~sequent reach for data.
~~rewritable~~	~~More~~ ~~rewritable~~
larger-size for data (# of GB)	smaller size of data storage.
faster	slower
less ~~reliable~~.	~~More~~ reliable

(4)

F : What are sensors, give 3 examples of using them.

devices that contain soft ware to ~~electrical~~ Convert signals pulses into Physical movement and vice versa. not necessarily

space crafts , mechanical arm , Temprature, humidity).
↓
sensors

(4)

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G : State five input devices (the device is input and only input).

1- ~~Monitor~~ Scanner
2- Mouse
3- Keyboard
4- Touch pad
5- microphone

(5)

H : CPUs in the same family are backward compatible what do we mean by backward compatible.

It means that the newer version of cpus can recognize and Compitable with older versions of cpus

يفهم و يميز و يقرأ البرامج و اكواد ال (cpus) الأقدم .

(5)

Good Luck

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