

King Saud University

College of Applied Medical Science

Radiology department

Rad 454

1st mid term exam

Day: Sunday

Date: 14/10/2012

*Student Name:……………………………. ID #:…………………………Level:……*

|  |  |
| --- | --- |
| Totalmark |  |
| 15 |

**First question: choose the correct answer : (4 marks)**

1. After data is processed, results are sent to an \_\_\_\_\_\_\_\_\_device in the form of hard or soft copy.

A. input

B. processing

C. output

1. The most important DAC characteristic is \_\_\_\_\_\_\_\_ :

 A. size

B. resolution

C. cost

3- \_\_\_\_\_\_\_\_ is provides for temporary storage of data and programs that would be lost if the computer loses power.

 A. RAM

B. ROM

C. OS

4- The display image on the screen is thus composed of \_\_\_\_\_\_\_\_\_ :

A. Bits

B. Dots

C. pixels

**Second question: True or False statement : (2 marks)**

1-Bit is the smallest unit of data that a computer uses (microprocessors) . ( )

2- Gateway is device to interconnect SIMILAR protocols and servers. ( )

3- CPU it is the brain of the computer . ( )

4-Digital computers are operate on continuous physical quantities. ( )

**Third question: Fill the blanks with appropriate word/s:**

**(3 marks)**

1. ----------- the programs that run the computer.
2. ----------- enable users to get data into the computer for processing .
3. Most important characteristics of computers are ---------- and ----------- .
4. ---------- refers to the number of discrete signal elements (bands) transmitted per sec.
5. LAN is ----------------------------------

6----------- is anything connected to the network, usually a computer, but it could be a printer or a scanner

**Fourth question: List three of : (2 marks)**

1- ADC essential parts:

**-**

-

-

**2-** Medium types:

**-**

-

-

**Fifth question: Answer the following : (2 marks)**

**Today, computers plays major role in radiology ,talk about imaging applications in radiology .**

**Sixth question: Define 2 only : (2 marks)**

**-Topology:**

**-DICOM :**

- **HL-7 :**

**Good luck ...**

**Alanoud Al Saleh**