

I'd numb 16463 name sami ul haq radiology section b

Course: Computer Skills/ Applications

Program:BS(DT/RAD/MIC)

Semester: 4<sup>th</sup>

Total Marks: 30

Instructor: Zakir Rahim

Time: 4 Hours

Due Date: 21 August, 2020

---

**Instructions:**

- Students are required to solve the provided assignment and upload it on SIC within specified time.
  - The solutions must be type-written.
  - The solutions must be uploaded either in Ms-Word format or pdf format.
  - Students are required to save the file with their name and student id. For example ahmad\_12345.
- 

Q1. (a) In your opinion what are the 3 most important characteristics of computers, Explain each characteristic?

Ans 1:: automatic.. given job computer can work on it automatically without human intervention

2::: accuracy accuracy of a computer is consistently high and degree of its accuracy depends upon design computer errors caused due to incorrect input data or unreliable programs are often referred to as garbage in garbage out (gigo)

3.....power of remember computer can store and recall an amount account of information because of storage capacity it forgets or loses certain information because of its secondary storage capacity it forget or losses certain information only when it is asked to do so

(5)

(b) Write key characteristics of fourth generation of computers? (5)

Ans b small affordable reliable and easy to use PCs

B more powerful and reliable mainframe systems and supercomputers

B totally general purpose machines

B Easy to produce commercial

B easier to produce commercial

B easier to upgrade

B rapid software development possible

Q2. (a) Discuss the importance of Arithmetic logic unit and Control unit of a computer system?

Ans a : random access memory (ram)

: volatile in nature

: in case of power interruption all the data in ram is lost

: ram can only store data as long as computer is on .

(5)

(b) Write a detailed note on importance of RAM (Random Access Memory)? (5)

Ans ram chips are two types

Dynamic ram uses an external circuitry to periodically regenerate or refresh store charge to retain the store data

Static ram

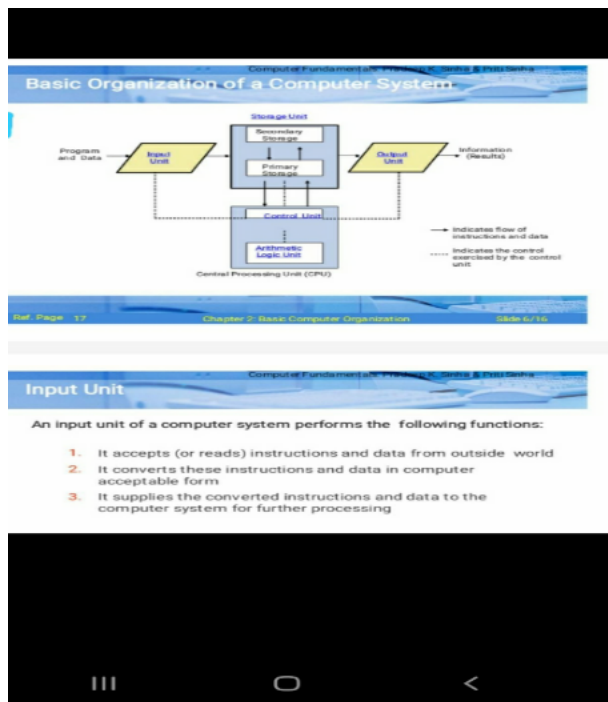
Does not need any special regenerate circuit to retain the storage data

: faster costlier and consumer

Q3. Write a detailed note on Basic Organization of a computer System along with the functions of each part.

Ans basic organization of a computer system

Program and data



input unit computer system

performs functions

- 1 it access instructions and date from out side world
- 2 it converts these instructions and data in computer acceptable form
- 3 it supplies the convert instructions and date to the compture system for future process

An Out output compture system performs the following functions

- 1 it accept the results produced by the compture which are coded form and hence cannot easily understood by us
- 2 it convert these coded results to human acceptable form
- 3 it supple the convert result to outside world

Store unit

The storage unit of a computer system holds the following

- 1 date and instructions required for process
- 2 intermediate results of process

3 final result of processing before they are released to an out out

Arithmetic logic unit computer system is the place during operation

Control unit cu

Control unit of a computer system manages and coordinate of all other components computers system

Central processing unit could

Arithmetic log unit ( alu) +control unit (cu) + central process unit cpu

It is the brain of a computer system

It is responsible for controlling the operation of all other unit of a computer system