North East University Bangladesh Dept of CSE

Course title: Michoprocessor and Interfacing Course codes CSE-321

Assignment: 02

submitted to Shahadat Hussain Parvet Shahadat Professor Assistant Professor Dept. of est Dept. of est University Bongladash North East University

Subimi'tted by

Md. Abdul Mutalib

ID: 190303020001

Dept: CS E

Write a short note on the working principle of EEPROM.

EFPROM- It is stands for Electrically

Erasable Programmorble Read-Only Memory.

EEPROM is programmed erased electrically. It

ean be erased and programmed about ten

thousand times. Both erasing and gragraming

take about 4 to 10 milisecond. In the

EEPROM any location can be selectively

erased and programmed. tegrom can be

erased one byte at a time, rather than

erased one byte at a time, rather than

Which RAM is faster sRAM or DRAM? Eleborate on the reasonings based on their construction.

statie Random Accen (sRAM): Dorta stored in transistor and requirer a constant power, power flow. Because of the continuous power, sram doesn't need to refreshed to

remember the data being stored. SRAM is called as no charge or action.

DRAM (Dynamie Aeeen Memory) Data stored in capacitors. Capacitors that data is DRAM gradually discharge energy, no energy means the data has been lost. On the other hand, the data has been lost. On the other hand, a periodic refresh of power is required in order to function. DRAM is called dynamic as constant charge or action

Comparing SRAM and DRAM, SRAM is taster than DRAM. Because, SRAM is used transistor to store the data. It doesn't need refreshed. On the other hand, DRAM is slower than SRAM. It is used by capacitoh. DRAM provides slow access speeds.

3 Identify the most important peripherals necessary for smooth operation of computer:

A peripheral device is a device that wither enters information to a computer system or receiver information from the computer system. It receives data and commands from the user, procen the data according to the given commands

Typen of peripheral devicent;

Periphenal devien are classified into three types. They are +

田 input device

田 output device

田 input/output (1/0) device

Input device: An input devieu inserts data or command into computer system.

Example;

A Reyboard

A Mouse

B Seanner

Digital pen

webean

Dutput device: An output device receive the processed data from the computer to system and presents that data user to the user.

Francher

A monitor

Printer

A property

Projector

Impot/Device An input/output output and output device can perform both input and output function.

Example:

A hand drive

B USB drive

B Memory eard

9 Draw a simplified diagram to show the parts of a microcomputer system.

