

PNS SCHOOL OF ENGINEERING AND TECHNOLOGY

1ST Internal Assessment

(Full Mark 20)

Sub-Computer System Architecture

3rd sem computer science

Answer All Questions (4*2.5=10)

1.(a). What is computer architecture?

Ans- Computer Architecture is a set up rules and methods that describe the functionality organization implementation of computer system architecture.

-It refers to the structure of a computer separately like part of hard ware,hard ware engineer, software engineer who involves to built the computer architecture.

(b).What is processor clock?

Ans-To organized processor activities a clock embeded on a circuit board processor clock.

Ex:clock cycle,T1,T2,T3

Where T1-Stores data

T2-Display data

(c).What is Functionality Unit?

Ans-A computer consist of five functionality independent main part input memory arithmetic logic unit (ALU) output and control unit.

-Input device accept the coded information as a source programme.

(d).What is Input unit?

Ans-The source programme language or coded information is feed to a computer through input devices like keyboard.

-when ever a key is processed or pressed one corresponding word or number is trandlated in to its.equivalent binary code over a csble and fed either to memory or processor.

Ex:mouse,keyboard,scanner,joystick.

Answer All Questions (2*5=10)

2.What is computer?Define input unit with example and output unit with example.

Ans-Computer is an electronics device which takes data as input and give information in output.

-The sources programme language or coded information is feed to a computer through input devices like keyboard.

-When ever a key is processed or pressed one corresponding word or number is translated in to its, equivalent binary code over a cable and fed either to memory or processor.

Ex:mouse,keyboard,scanner,joystick

-The primary function of the output unit is to send the process result to the user.

-Output unit devices display information in a way that the user can understand.

Ex:monitor,printer etc.

3.What is memory? Types of memory & How to address a memory?

Ans-A memory is used to store data and instruction.Computer memory is the storage space in the computer,where data is to reprocessed and instruction required for processing store data.

-The memory is divided into large no.of small parts called cells.

-Types of memory-:(i) Cache memory

(ii) Primary memory

(iii) Secondary memory

-In computing, a memory address from 0 to 65536.memory location used at varies levels by software and hardware.

-Memory addresses are fixed –length sequences of digits conventionally displayed ana manipulated as unsigned integers.