## UIT2401- MICBOPROCESSOR & MICROCONTROLLERS

## ASSIGNMENT-2

Write short notes on the following:

1) PCI:- The peripheral component
interface (PCI) bus is a standard
for connecting peripheral devices
to a computer's central processing
unit (CPU). It was designed
to facilitate the intergration and
functionality of peripheral components
like network cards, graphic cards.

(ii) Plug and play
(iii) Bus Mastering

(iv) Vensatility (v) Standardisation

Technical Specifications: Advantages:-(i) Data width Fast Data Transfer Peripheral Connectivity (ii) Speed (iii) Thoroughput Charging (iv) Slots Audio/Video Modes. 2) (USB:) The Universal Serial Bus 3) (CAN)- Controller Area Network is a standard for connecting, is a violust vehicle lous standard communicating and providing power designed to allow microcontrollers between computers and electron and devices to communicate with each other within a vehicle without a host computer. Developed in mid-1990s Originally created by Bosch in Characteristics:-1986 for in-vehicle retworking (i) Universal compatibility in cars, it has widely (ii) Plug and play, Hot swapping adopted in various other fields (iii) Power delivery (iv) Connectors and Ports. , including industrial automation and medical equipment.

5) ZIGBEE WIRELESS INTERFACE: FEATURES: - in Robustness Lighee is a specification for a (ii) Multi-master capability suite of high-level communication Scalability protocols using low-power digital iv) Evvor handling radies based on IEEE 802.15.4 standard. It is designed for ADVANTA GES :creating Personal Area Networks of Reliable in Hexible. with small, low power digital radios such as automation and 4) AGP: - The Accelerated graphic offer low power, lower bandwidth Port is a high speed pointfor batt latercy communication -point channel for attaching a graphics card to a computer's FEATURES: - (is Low power consumption motherboard, primarily to assist the acceleration of 3D computer (ii) Mesh networking graphics. It was introduced by (iv) short-range communication Intel in 1996. (v) Security. FEATURES: - (i) Dedicated path (Textures) ii) Pipelining (iii) Sideband addressing (i) Textwees in Main Memory