UIT2401- MICROPROCESSOR & 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 Masterung

(iv) Vensatility (v) Standardisation

Technical Specifications: Advantages:-(i) Data width Fast Data Transfer (ii) Speed Peripheral Connectivity (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 Developed in mid-1990s without a host computer. Originally created by Bosch in Characteristics:-1986 for in-vehicle retworking cis 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: - (i) Robustness Lighee is a specification for a (ii) Multi-master capability suite of high-level communication jii) Scalability Protocols using low-power digital iv) Evvor handling radios based on IEEE 802.15.4 standard. It is designed for ADVANTA GES :creating Personal Area Networks (i) Reliable vi) Efficient with small, low power digital readios such as automation and (iii) Flexible. 4) AGP: - The Accelerated Graphic offer low power, lower bandwidth Port is a high speed Pointfor batt latercy communication -point channel for attaching a blu devices graphics cond to a computer's FEATURES: - (i) Low power consumption motherboard, primarily to assist the acceleration of 3D computer (ii) Mesh networking graphics. It was introduced by (iii) Low state rate (iv) short-range communication (v) Security. Intel in 1996. FEATURES: - (i) Dedicated path ii) Pipelining iii) sideband addressing (iv) Textures in Main Memory.