

17533

21819

2 Hours / 50 Marks

Seat No.

--	--	--	--	--	--	--	--	--	--

- Instructions* –
- (1) All Questions are *Compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figure to the right indicate full marks.
 - (5) Assume suitable data, if necessary
 - (6) Use of Non- programmable Electronic Pocket Calculator is permissible.
 - (7) Mobile Phone , Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

- 1. a) Attempt any THREE of the following: **12****
- (i) Compare LAN, WAN and MAN on the basis of following point:
 - 1) Geographical area covered
 - 2) Communication Medium used
 - 3) Rate of data transmission
 - 4) Example / Application (any one)
 - (ii) State any four functions of BIOS
 - (iii) Describe function of each pin of 9 pin RS 232 connector.
 - (iv) List two problems and their causes related to display.

P.T.O.

- b) **Attempt any ONE of the following:** **6**
- (i) Draw TCP - IP reference model and state the function of various layers.
 - (ii) State cache memory ? Give its types and explain with neat diagram.
2. **Attempt any FOUR of the following:** **16**
- a) Draw pin diagram of ATX power supply. Give specification of each pin.
 - b) Describe any four preventive maintenance for hard disk
 - c) List networking devices. State function of any two devices.
 - d) Write any four feature of ISA and PCI Express.
 - e) Explain four functions of transport layer in OSI model.
3. **Attempt any TWO of the following:** **16**
- a) What is network topology? List network standards. Explain token ring standard with the help of diagram.
 - b) Draw neat labelled constructional diagram of INKJET printer. Describe the function of each block . State two advantages.
 - c) Explain following term:
 - (i) Subnet Masking
 - (ii) ARP
 - (iii) FTP
 - (iv) TCP
-