

17533

15116

2 Hours / 50 Marks

Seat No.

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- Instructions :** (1) All Questions are *compulsory*.
(2) Illustrate your answers with neat sketches wherever necessary.
(3) Figures to the right indicate full marks.
(4) Assume suitable data, if necessary.
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

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| 1. (a) Attempt any THREE of the following : | 12 |
| (i) List any two features of PCI-Xpress. Give two differences between PCI-X & PCI-Xpress. | |
| (ii) Describe the importance of preventive maintenance. | |
| (iii) State any four characteristics of LCD monitor. | |
| (iv) Define MAN. Give any two differences between LAN and WAN. | |
| (b) Attempt any ONE of the following : | 6 |
| (i) Draw TCP/IP reference model and give the function of each layer. | |
| (ii) Describe the function and operation of Firewall with neat diagram. | |
| 2. Attempt any FOUR of the following : | 16 |
| (a) Compare CRT and LCD display. (Four points) | |
| (b) State any two problems related to Hard disk with their symptoms. Discuss preventive maintenance for Hard disk. | |
| (c) Describe various factors considered for passive maintenance. | |
| (d) Describe the need and importance of subnet masking. Give an example of subnet mask. | |
| (e) State the various basic and advanced properties configured for TCP/IP. | |

P.T.O.

3. Attempt any TWO of the following :**16**

- (a) Draw and explain functional block diagram of LCD monitor.
 - (b) Draw pin diagram of ATX power supply. Give the function of each pin.
 - (c) Describe the different modes of Fibre Optic Cable with neat diagram. Compare Fibre Optic cable with UTP cable.
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