

17533

11819

2 Hours / 50 Marks

Seat No.

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- 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) Figures to the right indicate full marks.
- (5) Assume suitable data, if necessary.
- (6) 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) List out any four specification of LASER printer.
- (ii) Give the preventive maintenance for keyboard.
- (iii) List and explain features of SDRAM and DDR.
- (iv) Define the terms:-
- (1) UDP
- (2) TCP
- (3) ICMP
- (4) SMTP
- b) Attempt any ONE of the following: 6
- (i) Draw ARP message fields and state any four functions of ARP message field.
- (ii) Explain Mesh topology with neat diagram and also state it's advantages and disadvantages.

P.T.O.

- 2. Attempt any FOUR of the following:** **16**
- a) What is cache? What is level 1 and level 2 cache?
 - b) Diagnose the following problem:-
“Junk character displayed on the screen.”
 - c) List out possible problem associated with Dot matrix printer. State trouble-shooting process if “PRINTER NOT READY-ERROR” message is displayed.
 - d) Write the steps for installing TCP/IP protocol.
 - e) Compare IPV4 and IPV6.
- 3. Attempt any TWO of the following:** **16**
- a) Draw the block diagram and explain the working of laser printer?
 - b) Sketch block diagram of off-line UPS. State functions of each block. State any four rating of UPS.
 - c) Explain working of Fiber optic cable. Give its advantages and disadvantages.
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