

ROLL NO:

Computer Networks

(2K5-ES-02)

Time : 3 hrs.

M.M :100

PART-'A'

1. Answer any ten questions :-

(10x4=20)

- (a) What are the four criteria necessary for an effective and efficient Network?
- (b) What are the issues in physical layer?
- (c) OSI stands for.....
- (d) What is a switch?
- (e) State the functions of transport layer.
- (f) What are the difference between TCP and UDP?
- (g) State the functions of application layer.
- (h) Define IP address?
- (i) Write the types of multiplexing.
- (j) What is the function of stop and wait flow control?
- (k) What are the disadvantages of double DES?

(l) Define ATM.

(m) Write advantages of ISDN Network?

(n) Mention some of the Properties of Ethernet.

2. Attempt any five questions :-

(5x4=20)

(a) Group the OSI Layer with Functions.

(b) What is the difference between Logical address and Physical address?

(c) Explain difference IPV4 and IPV6.

(d) Discuss Gateway in details.

(e) Explain Function of STAR Ring.

(f) Writes short Notes on ATM.

(g) Differentiate Between Analog Transmission Media and Digital Transmission Media.

(h) Discuss Hubs in the Details.

Answer any three questions :-

(3x20=60)

3. (a) Explain ISO/OSI reference model along with its Block Diagram.

4. (a) Explain in details about IEEE 802.3.

(B) Write Short Notes on :

(A) IP/TCP

(b) Public Key Cryptography

5. (a) Define Bridge and its types.

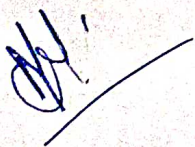
(b) Write notes about Repeaters, Routers & Gateways.

6. (a) differentiate between circuit Switching ,Packet switching and Message Switching.

(b) Explain IP protocol and UDP protocol.

7. (a) Describe in detail about TCP Header format with neat sketch.

(b) Define Cognition. What are techniques to avoid and overcome cognition?

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