

C 29197



**SEVENTH SEMESTER B.TECH (ENGINEERING) DEGREE EXAMINATION
JUNE 2012**

EE 2K 705 E—COMPUTER NETWORKS

Time : Three Hours

Maximum : 100 Marks

Part A

1. Write a short note bridged LAN.
2. Draw Protocol Data Unit format and describe its fields.
3. With a neat sketch brief about multi-stage switches.
4. Write shortly about private networks.
5. Discuss about service definition in transport layer.
6. Write a short note TCP with its frame format.
7. Write a short note on (a) URL (b) TFTP.
8. Write a neat sketch write about MIME.

(8 × 5 = 40 marks)

Part B

1. (a) Explain in detail about Thick Ethernet and Thin Ethernet. (15 marks)

Or

(b) Write briefly about IEEE 802.12 standard. (15 marks)
2. (a) Explain about X.25 layers in ISDN. (15 marks)

Or

(b) (i) Discuss in detail about IP Addressing. (7 marks)
(ii) Write in detail about packet format of IVP6. (8 marks)
3. (a) Write about duties of transport layer in detail. (15 marks)

Or

(b) Explain briefly about User Datagram Protocol (UDP). (15 marks)
4. (a) Explain RSA Encryption in detail with encryption and decryption algorithms. Also discuss about the security of RSA Encryption. (15 marks)

Or

(b) Discuss in detail about Remote Operation service element. (15 marks)