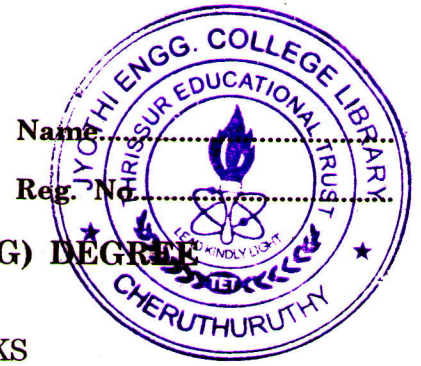


C 58311



Name: _____
Reg. No: _____

**SIXTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, JUNE 2009**

CS/IT 2K 604—COMPUTER NETWORKS

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

Part A

1. (a) Write short notes on wired LAN.
- (b) Describe the need and use of data communication.
- (c) Explain Inverse multiplexing in ISDN.
- (d) Describe Internet Protocol standards.
- (e) Explain the user services provided by transport layer.
- (f) Write short notes on UDP.
- (g) What are the steps involved in resolving address by domain name server ?
- (h) Write short notes on FTP.

(8 × 5 = 40 marks)

Part B

- II. (a) Explain in detail about Ethernet 802.3

Or

- (b) Describe the OSI reference model.

- III. (a) (i) Explain the X.21 interface protocol.

(10 marks)

- (ii) Describe the signalling protocols of ISDN.

(5 marks)

Or

- (b) Write notes on :

- (i) Inter Network architecture.

(7 marks)

- (ii) ARP, RARP.

(8 marks)

- IV. (a) (i) Discuss the parameters involved in service definition.

(8 marks)

- (ii) Explain the protocol operation in TCP.

(7 marks)

Or

- (b) Explain in detail about service definition.

(15 marks)

- V. (a) Explain the RSA algorithm. How message authentication is done using RSA.

Or

- (b) (i) Discuss the importance of session layer.

(8 marks)

- (ii) Explain the remote operation service element.

(7 marks)

(4 × 15 = 60 marks)