

C 56515

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Name.....

Reg. No.....



SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE

EXAMINATION, JUNE 2009

CS 2K 704—INTERNET TECHNOLOGIES

Time : Three Hours

Maximum : 100 Marks

Answer all eight questions from Part A.

Answer any one question out of the two given from each of the four units in Part B.

Part A

- I. 1 Give an overview of FTP.
- 2 Give the format of HTTP Request message and explain it.
- 3 How do you stream stored audio and video ?
- 4 Discuss Round Robin Query mechanism.
- 5 List and explain MIME Content Types.
- 6 Explain three most important Firewall Configurations.
- 7 Write a note on Cellular IP.
- 8 List the advantages and disadvantages of Mobile TCP.

(8 × 5 = 40 marks)

Part B

Answer one question from each unit.

Unit I

- II. 1 What are the services provided by DNS ? Discuss the DNS Message format.
Or
- 2 Compare and contrast Socket Programming using TCP and UDP. Present sample JAVA code wherever appropriate .

Unit II

- III. 1 Discuss in detail any *three* scheduling mechanisms for providing QoS guarantee in Multimedia Networked Systems.
Or
- 2 Give an idea of the internet network management framework.

Turn over

Unit III

IV. 1 Present an outline of S/MIME.

Or

2 Explain the IP Security Architecture.

Unit IV

V. 1 Describe the entities in mobile IP. How is packet delivery achieved in a Mobile Node (MN)?

Or

2 What is indirect TCP? Discuss its advantages and disadvantages. How does Snooping TCP overcome the major drawbacks of indirect TCP?

(4 × 15 = 60 marks)