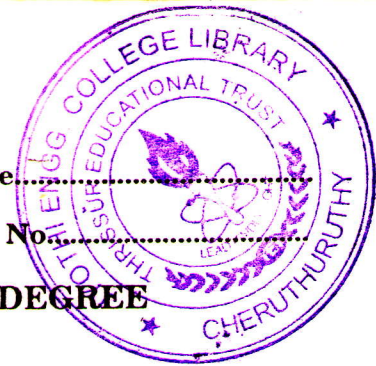


**D 26538**

Name .....

Reg. No. ....



**SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE  
EXAMINATION, DECEMBER 2006**

**CS 2K 704—INTERNET TECHNOLOGIES**

Time : Three Hours

Maximum : 100 Marks

*Answer all questions.*

1. (a) What are the significance of digital certificates in S|MIME ?  
(b) Discuss in brief snooping TCP.  
(c) Write the components of RTP header and briefly explain their usage.  
(d) Write notes on XML parsers.  
(e) How to provide security for transport layer ? Explain.  
(f) Differentiate between TCP and UDP.  
(g) List and discuss the goals of RSVP.  
(h) Discuss with example DTD in XML.  

(8 × 5 = 40 marks)
2. (a) Discuss socket programming in UDP with example.  

*Or*

(b) What services might be needed by a network application from a transport protocol ? Explain.  

(15 marks)
3. (a) Discuss in detail the features of RTP for real time interactive applications.  

*Or*

(b) Explain in brief about the network management.  

(15 marks)
4. (a) What are the benefits and applications of IP sec. ?  
Discuss about IP security architecture.  

*Or*

(b) What are the different design goals of firewall ? Discuss different types of firewall.  

(15 marks)
5. (a) (i) Discuss Adhoc networks. What are the special challenges ? (8 marks)  
(ii) Explain the mechanism used for forwarding packets between HA and CoA. (7 marks)  

*Or*

(b) (i) What is the fundamental difference of WML compared to HTML ? Why is this difference important with reference to handheld devices ?  

(8 marks)

(ii) Discuss the requirements for a mobile IP. (7 marks)

[4 × 15 = 60 marks]