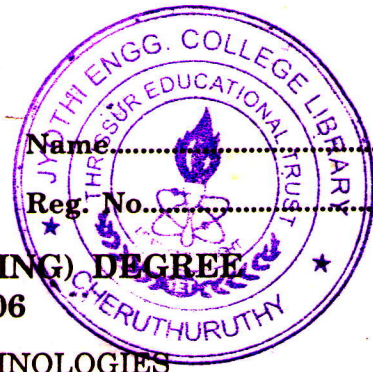


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**SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, DECEMBER 2006**

IT 2K 704—INTERNET CONCEPTS AND TECHNOLOGIES

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

Part A

1. (a) Differentiate between TCP and UDP.
(b) Discuss different applications of XML.
(c) List the socket primitives for TCP.
(d) Explain DTD in XML.
(e) What are Adhoc networks ? How are they useful ?
(f) List the goals of RSVP.
(g) How is a file transfer protocol useful ?
(h) What are the significance of digital certificates in S/MIME ?

(8 × 5 = 40 marks)

2. (a) Discuss in brief webpage design using XML with an example.

Or

- (b) What is a Name server ? Explain its working.

(15 marks)

3. (a) Discuss the following with an example :—

- (i) Applets.
- (ii) Servlets.

Or

- (b) What is the use of database connect drivers ? Explain in detail about any one of them.

(15 marks)

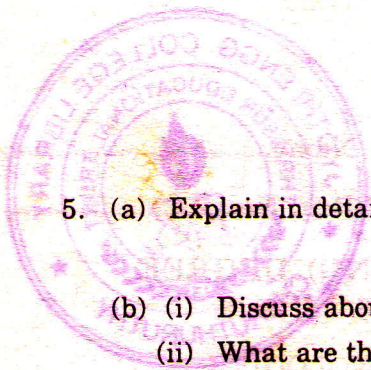
4. (a) Discuss RIP scheduling and policy mechanisms.

Or

- (b) Explain any one loss recovery schemes that attempt to preserve audio quality in the presence of packet loss.

(15 marks)

Turn over



5. (a) Explain in detail the applications of wireless telephony.

(15 marks)

Or

(b) (i) Discuss about WAP protocols.

(7½ marks)

(ii) What are the implications of TCP on mobility.

(7½ marks)

[4 × 15 = 60 marks]