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SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, OCTOBER 2012

IT 09 703—INTERNET TECHNOLOGY

(2009 Admissions)

Time : Three Hours Maximum : 70 Marks

Part A

Answer **all** *questions.*

I. (a) Define HTTP. Mention its use.

(b) Mention the functionalities of an application layer.

(c) Differentiate the working of a static and a dynamic web page.

(d) State the use of JDBC.

(e) Define DTD.

(5 × 2 = 10 marks)

Part B

Answer any **four** *questions.*

II. (a) Write a note on content distribution.

(b) How are tables created with HTML ? Give an example.

(c) Draw the Java applet lifecycle and explain the components.

(d) Explain about the J2EE web services.

(e) With an example, explain how string objects are used in Java Scripts.

(f) Write about the concept of navigating XML trees with XPATH.

(4 × 5 = 20 marks)

Part C

Answer **all** *questions.*

III. (a) Write in detail about Socket programming with UDP.

Or

(b) Explain the working of File Transfer Protocol in detail.

IV. (a) Give a detailed comparison of the different technologies used for dynamic page creation.

Or

(b) Explain the method involved in static web page creation along with its types and issues.

Turn over

V. (a) Explain the architecture of JSP in detail. Also mention its applications.

Or

(b) Explain the characteristics of Enterprise Java Beans and RMI with an application for each.

VI. (a) Describe in detail about XML Programming using DOM API.

Or

(b) Explain the concept of Transforming XML documents with XSLT in detail.

(4 × 10 = 40 marks)