G 3538

M.C.A. DEGREE EXAMINATION, MAY/JUNE 2007.

Third Semester

MC 1705 — INTERNET PROGRAMMING

(Regulation 2005)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is Internet Relay Chat (IRC)?

2. What is the purpose of Domain Name System?

3. List different kinds of Web Audio Files.

4. What is the purpose of FTP?

5. Define Exception.

6. What is the main use of Java package?

7. What are the different states of a Thread in its life cycle?

8. What is the purpose of Garbage collection?

9. What is the difference between prepared statement and callable statement?

10. What is the difference between doGet and doPost method in Java Servlets?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain the basic working principle of Domain Name System. (12)

     (ii) Discuss about the basic principle used in avoiding e-mail viruses. (4)

Or

(b) Illustrate the principles of voice and video conferencing in the Internet. (16)

12. (a) (i) Explain privacy and website blocking in the Internet. (8)

(ii) Write a simple form to get user name and password from the user. (8)

Or

(b) Write and explain the different methods to play audio and video on the web. (16)

13. (a) (i) Explain the different features of Java for Internet Programming. (12)

(ii) What is the purpose of Interfaces in Java? (4)

Or

(b) Explain try...catch, finally, exception handling mechanism with suitable example. (16)

14. (a) Illustrate the principles of Event handling in Java with an example. (16)

Or

(b) (i) Explain life cycle of a Thread. (10)

(ii) Write a short notes on Thread Priorities. (6)

15. (a) Write a Java program to display the student information using JDBC and display the average marks using callable statement. (16)

Or

(b) Write a program to find sum of two numbers using RMI. Explain the important classes and Interfaces and steps in deployment. (16)

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