

G 6183

M.E. DEGREE EXAMINATION, MAY/JUNE 2007.

Second Semester

Computer Science and Engineering

CS 1655 — WEB TECHNOLOGY

(Regulation 2005)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

How do you form the IP address?

Write a CSS rule that removes the underlines from all links inside list items and shifts them left by 3 tab space.

How do you obtain information about the execution environment using CGI? List out the different kinds.

Write down the Server Side Includes commands.

How is method overriding prevented in JAVA? Give an example.

List out all the event classes involved in Applets with its purpose.

What are the objects involved in ASP?

What is Servlet lifecycle?

What are the different payment methods available in E-commerce?

What can a firewall protect against?

PART B — (5 × 16 = 80 marks)

- (a) Write a Java script that reads a five letter word from the user and produces all possible three letter words that can be derived from the five letters word (for example from "table" the possible combinations are "bat", "bet", "eat", "ate", "let", "tab" and "tea"). (16)

Or

- (b) Demonstrate the impact of flip, chroma and mask filter of DHTML on images. (16)

12. (a) Write a CGI script to obtain authors information (list out all the books written by the same authors) from a library database. (16)

Or

- (b) (i) Explain How XML parser works? (10)
(ii) Write a XML document for displaying your contact details (address, email, mobile no.; etc.)? (6)
13. (a) With suitable coding explain how exceptions are handled in JAVA? (16)

Or

- (b) Write an applet program to display the given text in any three different colors simultaneously using multi threading concept (Hint : Handle the button click events). (16)
14. (a) (i) Write an ASP code to display different image each time a user visits a page. (8)
(ii) Write a JSP to demonstrate the usage of page and include directives. (8)

Or

- (b) Explain how cookies are created and sessions are Tracked by Servlet in detail with suitable example. (16)
15. (a) Design an online auction service application with a database (Hint : using HTML/DHTML, Servlet, JSP/ASP — whatever suitable for the application). (16)

Or

- (b) Design an e-library application with a database (Hint : using HTML/DHTML, Servlet, JSP/ASP--whatever suitable for the application). (16)

G 6173

M.E. DEGREE EXAMINATION, MAY/JUNE 2007.

Elective

Computer Science and Engineering

CS 1633 — AD HOC NETWORKS

(Regulation 2005)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Differentiate fast fading and slow fading.
2. What is wireless internet?
3. What is exposed terminal problem?
4. List any four characteristics of an ideal routing protocol for ad hoc wireless networks.
5. What is a source-initiated multicast routing protocol?
6. Give the difference between tree-based and mesh-based multicast routing protocols.
7. What is the impact of the failure of proxy nodes in split TCP?
8. What is meant by wormhole attack?
9. What are the limitations of IEEE 802.11 MAC protocol that prevent it from supporting QoS traffic?
10. Mention the need for system power management.