Dronacharya College of Engineering, Gurgaon

Department of Electronics and Computers Engineering

Session 2014-2015

Subject: Internet Fundamentals (Code: CSE-208-F)

Semester: / Branch: IV   ECS

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Short Questions - Section A

1) What is internet? How it is related to Arpanet? Write brief history of internet?

2) What is e-mail? Explain its internal working?

3) Explain the following terms related to email: SMTP, MIME, PPP, POP3

4) What are different ways of connecting to internet?

5) Write down the advantage of address book, signature, and attachment in email system?

6) Write a short note on email management?

7) What security mechanism is in place to prevent someone from subscribing someone else to a number of mailing lists? Can you unsubscribe someone else from mailing list?

8) What is an email-bomb?

Short Questions - Section B

1) What is WWW? How is address defined on internet?

2) Create Indian flags using frames?

3) Explain the working of search engine?

4) Explain FTP, TELNET, Archie, DNS and cookies?

5) Explain a stepwise process that how a web page is retrieved and displayed on your system?

6) Write short note on Meta search engine, plugins and MIME types?

7) What are various options available for customizing your browser?

8) Program a table in html that is borderless and contains the colors of rainbow?

Short Questions - Section C

1) Write a detailed note on XML?

2) Differentiate between client side and server side scripting?

3) What are web servers? What is their utility? Discuss about IIS?

4) What is PWS and Apache server?

5) Discuss main features of apache web server especially with respect to stability, portability and security?

6) Write a script in java script that reads in two integers and determines the output in XHTML text and display whether the first is multiple of second?

7) Write java script statements to accomplish following tasks

a) declare and create the array with three rows and three columns

b) accepts an integer code for a character and displays the corresponding character?

c) a recursive function power(base, exponent) that when invoked returns base to the power of exponent?

8) In the three tier application explain how the middle tier interacts with client tier?

Short Questions - Section D

1) Differentiate between authentication and authorization and privacy and secrecy?

2) Explain in detail the various types of Firewalls available.

3) What is software complexity and how it can be measured?

4) What are various encryption standards?

5) What do you mean by data encryption? Explain in detail any two encryption schemes?

6) Define proxy server? Briefly discuss the "firewall challenge"

7) What does it mean to crack a password? What are some common techniques people use to try to crack passwords?

8) What do you mean by digital signatures? Name any four situations where digital signatures are needed?