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**NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA**

**(An Autonomous Institute Affiliated to AKTU, Lucknow)**

**MCA (Integrated)**

**SEM: II - THEORY EXAMINATION (2022-2023 )**

**Subject: Internet and Web Designing**

**Time: 3 Hours**

**Max. Marks: 100**

**General Instructions:**

**IMP:** Verify that you have received the question paper with the correct course, code, branch etc.

1. This Question paper comprises of **three Sections -A, B, & C.** It consists of Multiple Choice Questions (MCQ's) & Subjective type questions.
2. Maximum marks for each question are indicated on right -hand side of each question.
3. Illustrate your answers with neat sketches wherever necessary.
4. Assume suitable data if necessary.
5. Preferably, write the answers in sequential order.
6. No sheet should be left blank. Any written material after a blank sheet will not be evaluated/checked.

**SECTION A**

**20**

**1. Attempt all parts:-**

- 1-a. A web page which on clicking opens another document is called ..... (CO1) 1
- (a) anchor  
(b) Hyperlink  
(c) Reference  
(d) URL
- 1-b. The term HTTP stands for? (CO1) 1
- (a) Hyper terminal tracing program  
(b) Hypertext tracing protocol  
(c) Hypertext transfer protocol  
(d) Hypertext transfer program
- 1-c. Which of the following is used to connect the internet with a computer? (CO2) 1
- (a) Router  
(b) Modem  
(c) Network Switch

- (d) Server
- 1-d. Which of the following is the most popular web server on the web? (CO2) 1
- (a) Apache
  - (b) Microsoft Internet Information Services (IIS)
  - (c) Sun Java System Web Server
  - (d) All of these
- 1-e. Microsoft Access is a \_\_\_\_\_. (CO3) 1
- (a) Network Database Model
  - (b) RDBMS
  - (c) ORDBMS
  - (d) OODBMS
- 1-f. A file containing relatively permanent data is \_\_\_\_\_. (CO3) 1
- (a) Sequential file
  - (b) Transaction file
  - (c) Master file
  - (d) Random file
- 1-g. To protect the computer system against the hacker and different kind of viruses, one must always keep \_\_\_\_\_ on in the computer system. (CO4) 1
- (a) Antivirus
  - (b) Firewall
  - (c) Vlc player
  - (d) Script
- 1-h. Network security consists of \_\_\_\_\_. (CO4) 1
- (a) Protection
  - (b) Detection
  - (c) Reaction
  - (d) All of the above
- 1-i. Which attribute is used to name an element uniquely? (CO5) 1
- (a) class
  - (b) id
  - (c) dot
  - (d) All the above
- 1-j. Internet was possible because of the use of TCP/IP reference model and 1

..... protocol stack. (CO5)

- (a) FTP
- (b) TCP/IP
- (c) DHCP
- (d) UDP

**2. Attempt all parts:-**

- 2.a. Describe Telnet. (CO1) 2
- 2.b. Explain SMTP. (CO2) 2
- 2.c. Explain web browser. (CO3) 2
- 2.d. Define the Purpose of a Firewall. (CO4) 2
- 2.e. Describe different types of CSS. (CO5) 2

**SECTION B**

**30**

**3. Answer any five of the following:-**

- 3-a. Discuss about Intranet Vs Internet. (CO1) 6
- 3-b. List out the services provided by Internet. (CO1) 6
- 3-c. Discuss MODEM and its function. (CO2) 6
- 3-d. List out the different types of routing algorithm and explain any one of them. (CO2) 6
- 3.e. Define HTTP and Write its advantages. (CO3) 6
- 3.f. Explain the Firewall and why is it used? (CO4) 6
- 3.g. Explain the structure of HTML webpage. (CO5) 6

**SECTION C**

**50**

**4. Answer any one of the following:-**

- 4-a. Explain the difference between SMTP and FTP. (CO1) 10
- 4-b. Discuss different types of web browser. (CO1) 10

**5. Answer any one of the following:-**

- 5-a. Define multiplexing. Explain its types with their relative advantages and disadvantages. (CO2) 10
- 5-b. Explain different types of Transmission modes with their advantages and disadvantage. (CO2) 10

**6. Answer any one of the following:-**

- 6-a. Explain HTTP and its features in detail. (CO3) 10

6-b. Explain how a client-server application works? (CO3) 10

**7. Answer any one of the following:-**

7-a. Discuss firewall and its importance in detail. (CO4) 10

7-b. Explain Transaction security in detail. (CO4) 10

**8. Answer any one of the following:-**

8-a. Describe forms and how to create forms in HTML. (CO5) 10

8-b. Explain different levels of CSS. (CO5) 10

2022-23 Jan\_Jun