NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA
(An Autonomous Institute Affiliated to AKTU, Lucknow)
MCA (Integrated)
SEM: II - THEORY EXAMINATION (2023 - 2024)
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.　　　Common gateway interface is used to _____ (CO1)　　　　　　　　1

　　　(a)　　generate executable files from web content by web server

　　　(b)　　generate web pages

　　　(c)　　stream videos

　　　(d)　　download media files

1-b.　　　The term FTP stands for? (CO1)　　　　　　　　　　　　　　　　1

　　　(a)　　File transfer program

　　　(b)　　File transmission protocol

　　　(c)　　File transfer protocol

　　　(d)　　File transfer protection

1-c.　　　A computer system, device, or program that is responsible for accepting HTTP requests from clients, serving back HTTP responses along with data to clients is called: (CO2)　　　1

　　　(a)　　Web

　　　(b)　　Network Hub

　　　(c)　　Web server

　　　(d)　　FTP

1-d.　　　The Internet service that issue a multimedia interface to current resources is called: (CO2)　　1

　　　(a)　　World Wide Web

　　　(b)　　Gopher

　　　(c)　　File Transfer Protocol

　　　(d)　　Telnet

1-e.　　　____ is not a valid data type in MS Access. (CO3)　　　　　　　　1

　　　(a)　　Auto number

　　　(b)　　Currency

(c)   Memo

(d)   Picture

1-f.   ………. tool we use to create a query object. (CO3)   1

    (a)   Table query wizard

    (b)   Simple filer wizard

    (c)   Simple query wizard

    (d)   Database wizard

1-g.   What term is considered as a basis for most robust authentication schemes? (CO4)   1

    (a)   Registration

    (b)   Identification

    (c)   Encryption

    (d)   Refine information

1-h.   Which software prevents the external access to a system? (CO4)   1

    (a)   Firewall

    (b)   Gateway

    (c)   Router

    (d)   Virus checker

1-i.   Increasing the cell padding means _____ (CO5)   1

    (a)   Increase the softness of your site

    (b)   Increase the space between cells

    (c)   Increase the distance between cell and content

    (d)   All of the above

1-j.   ………… is a globally existing network of networks consisting of a huge number of computers situated in all the parts of the world. (CO5)   1

    (a)   Computer Network

    (b)   Intranet

    (c)   Internet

    (d)   All of the above

2. Attempt all parts:-

2.a.   Describe different types of a network? Explain each briefly. (CO1)   2

2.b.   Discuss the features of OSPF. (CO2)   2

2.c.   Define the structure of email. (CO3)   2

2.d.   Explain System Hardening. (CO4)   2

2.e.   Explain about creating a hyperlink in HTML. (CO5)   2

SECTION B   **30**

3. Answer any <u>five</u> of the following:-

3-a.   Describe the transmission media. Explain different forms of transmission media? (CO1)   6

3-b.   Why is an application such as POP needed for electronic messaging? (CO1)   6

3-c.   Describe a brief note on ISDN and its advantages, applications. (CO2)   6

3-d.   Describe MODEM? Explain its function. (CO2)   6

3.e.   Explain the security and privacy issues in the web. (CO3)   6

3.f.	Write down the steps to set up a firewall. (CO4)	6
3.g.	Explain some of the common lists that can be used when designing a page. (CO5)	6

SECTION C   **50**

4. Answer any <u>one</u> of the following:-

4-a.	Describe Internet Connection Protocols. (CO1)	10
4-b.	Describe the procedure in connecting LAN to Internet with proper diagram. (CO1)	10

5. Answer any <u>one</u> of the following:-

5-a.	Explain the difference between OSPF and BGP routing protocol. (CO2)	10
5-b.	Define Multiplexing. Explain its types with their relative advantages and disadvantages. (CO2)	10

6. Answer any <u>one</u> of the following:-

6-a.	Explain the architecture of SMTP. (CO3)	10
6-b.	Define E-Mail. What is the use of multiple email accounts? How will you create the email mailing list? (CO3)	10

7. Answer any <u>one</u> of the following:-

7-a.	Explain about Remote Desktop Protocol. (CO4)	10
7-b.	Define data leakage and its types. (CO4)	10

8. Answer any <u>one</u> of the following:-

8-a.	Describe how will you make a picture into a background image of a web page. (CO5)	10
8-b.	Explain various formatting tags in HTML. (CO5)	10