

Printed Page:-

Subject Code:- BMICA0201

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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 (20..... - 20....)

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. URL stands for _____ (CO1, K1)

1

- (a) unique reference label
- (b) uniform reference label
- (c) uniform resource locator
- (d) unique resource locator

1-b. Two or more computers connected to each other sharing information from a _____ (CO1, K2)

1

- (a) Network
- (b) Router
- (c) Server
- (d) Tunnel

1-c. The first dial-up connection was made in 1965 by (CO2, K1)

1

- (a) Lawrence G. Roberts
- (b) Robert Hook
- (c) Bill Gates
- (d) None of these

1-d. The web server on the internet is also known as: (CO2, K2)

1

- (a) hub
- (b) host

- (c) gateway
- (d) repeater
- 1-e. A _____ is an area reserved for a specific piece of data. (CO3, K3) 1
- (a) Report
- (b) Key
- (c) Record
- (d) Field
- 1-f. The checking operation performed on input data is called the (CO3, K2) 1
- (a) Control of data
- (b) Validation of data
- (c) Cross check
- (d) Verification of data
- 1-g. It can be a software program or a hardware device that filters all data packets coming through the internet, a network, etc. it is known as the _____. (CO4, K2) 1
- (a) Antivirus
- (b) Firewall
- (c) Cookies
- (d) Malware
- 1-h. In system hacking, which of the following is the most crucial activity (CO4, K2) 1
- (a) Information gathering
- (b) Covering tracks
- (c) Cracking passwords
- (d) None of the above
- 1-i. Why should you specify a background color if you are using an image for the actual background of your page (CO5, K2) 1
- (a) So the text shows up better
- (b) In case the image doesn't fit right
- (c) The background color will be shown until the image loads
- (d) None of the above
- 1-j. A word of a web page which on clicking opens another document is called (CO5, K2) 1
- (a) anchor
- (b) Hyperlink
- (c) Reference
- (d) URL

2. Attempt all parts:-

- 2.a. Explain in brief different types of internet connection. (CO1, K2) 2
- 2.b. Brief the purpose of inverse domain. (CO2, K2) 2

2.c.	Describe the services provided by the internet. (CO3, K2)	2
2.d.	Explain the use of a Traceroute. (CO4, K3)	2
2.e.	Describe some common lists that are used when designing a page. (CO5, K2)	2

SECTION-B

30

3. Answer any five of the following:-

3-a.	Define the difference between the World Wide Web and the Internet. (CO1, K2)	6
3-b.	Describe the procedure in connecting LAN to Internet with proper diagram. (CO1, K3)	6
3-c.	Describe the different types of Transmission modes, with their advantages and disadvantages. (CO2, K2)	6
3-d.	List the different types of routing algorithm and explain any one of them. (CO2, K2)	6
3.e.	Describe FTP. Write different features of FTP. (CO3, K2)	6
3.f.	Explain the some of the common Cyberattacks. (CO4, K2)	6
3.g.	Describe the advantage of grouping several checkboxes together. (CO5, K3)	6

SECTION-C

50

4. Answer any one of the following:-

4-a.	Explain Dial-Up internet access. Explain its features. (CO1, K2)	10
4-b.	State the difference between dynamic web page and static web page. (CO1, K2)	10

5. Answer any one of the following:-

5-a.	Explain the difference between OSPF and BGP routing protocol. (CO2, K2)	10
5-b.	Explain the difference between Twisted pair cable, Co-axial cable and Optical fiber cable. (CO2, K2)	10

6. Answer any one of the following:-

6-a.	Explain the different protocols used for sending and receiving email. (CO3, K2)	10
6-b.	Explain the steps for sending and receiving the instant messages. (CO3, K3)	10

7. Answer any one of the following:-

7-a.	Elaborate the term firewall and its functioning. (CO4, K3)	10
7-b.	Describe how to preventing viruses and worms. (CO4, K3)	10

8. Answer any one of the following:-

8-a.	Describe Tags in HTML. Also describe HTML attributes with example. (CO5, K3)	10
8-b.	Explain the difference between an absolute and relative URL. (CO5, K2)	10