

Total number of printed pages-7

4 (Sem-3) IWWW

2023

INTERNET AND WORLD WIDE WEB

Paper : 3.6

(E. Commerce Major)

Full Marks : 80

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. (i) URL stands for : $1 \times 10 = 10$
 - (a) Unique reference label
 - (b) Uniform reference label
 - (c) Uniform resource locator
 - (d) Unique resource locator
- (ii) Which one of the following is not used to generate dynamic web pages ?
 - (a) PHP
 - (b) ASP.NET
 - (c) JSP
 - (d) None of the above mentioned

Contd.

- (iii) AJAX stands for
- (a) Asynchronous JavaScript and XML
 - (b) Advanced JSP and XML
 - (c) Asynchronous JSP and XML
 - (d) Advanced JavaScript and XML
- (iv) What does error 404 mean ?
- (a) The server could not find the requested URL
 - (b) Requested HTML file is not available
 - (c) The path to the interpreter of the script is not valid
 - (d) The requested HTML file does not have sufficient permissions
- (v) What would be the colors of the RGB where the hexadecimal values are #FF0000, #00FF00 and #0000FF respectively ?
- (a) Blue, Green, Red
 - (b) Green, Blue, Red
 - (c) Red, Blue, Green
 - (d) Red, Green, Blue

(vi) Which tag inserts a line horizontally on your web page ?

- (a) <hr>
- (b) <line>
- (c) <line direction="horizontal">
- (d) <tr>

(vii) UDP is a

- (a) Connection Oriented Protocol
- (b) User Defined Protocol
- (c) Connectionless Protocol
- (d) None of the above

(viii) MAC stands for

- (a) Medium Access Configuration Protocol
- (b) Multiple Access Configuration Protocol
- (c) Medium Access Control Protocol
- (d) Multiple Access Control Protocol

(ix) WAN stands for

- (a) World Area Network
- (b) Wide Area Network
- (c) Web Area Network
- (d) None of the above mentioned

(x) Full form of NIC is

- (a) New Interface Connection
- (b) Network Interface Card
- (c) Net Interface Card
- (d) None of the above

2. Answer the following : $2 \times 5 = 10$

(a) Define ARPANET.

(b) What is point-to-point protocol ?

(c) Write short notes on Local Area Network.

(d) What is Web Browser ?

(e) Define Hypertext and HTTP.

3. Attempt **any four** questions : $5 \times 4 = 20$

(a) What is world wide web ? Write, how different pages are interlinked in world wide web ?

(b) Discuss the advantages and disadvantages of Asynchronous Transfer Mode.

(c) What is topology ? Define **any two** topological structure of computer network.

(d) What is subnetting ? What is the importance of subnetting in computer network ?

(e) Discuss different functionalities of web browser.

4. Attempt **any four** questions : $10 \times 4 = 40$

(a) Define the term "Commerce on the Internet." Discuss the good impact of internet on commerce.

(b) Discuss different classes of Internet Protocol addresses with example.

(c) Write the difference between GET and POST HTTP Request Method.

(d) Discuss Client and Server approach in web technology, "Web based application is more advantageous than standalone application." Do you agree with this term ? Justify your answer.

(e) What is social networking ? Discuss positive and negative effects of social networking sites on society.

(f) What is TCP/IP ? How it is different from UDP ? Discuss how a connection is established using TCP/IP.

(g) What is markup language ? Discuss Hypertext Markup Language (HTML) with different tags used in HTML.
