

Total No. of printed pages = 6

**END SEMESTER EXAMINATION – 2021**

Semester : 5th

Subject Code : Co-501

**INTERNET AND WEB TECHNOLOGY**

Full Marks – 70

Time – Three hours

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

**Instructions :**

1. *All* questions of PART – A are compulsory.
2. Answer any *five* questions from PART – B.

**PART – A**

Marks – 25

1. Choose the correct alternatives :  $1 \times 5 = 5$

(i) TCP/IP model does not have \_\_\_\_\_ layer but OSI model have this layer.

- (a) session layer      (b) presentation layer  
(c) application layer      (d) Both (a) and (b)

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(ii) FTP is used

- (a) to transfer files from one system to other
- (b) access the Internet
- (c) to download the web browser
- (d) None of the above

(iii) Which layer provides the services to user ?

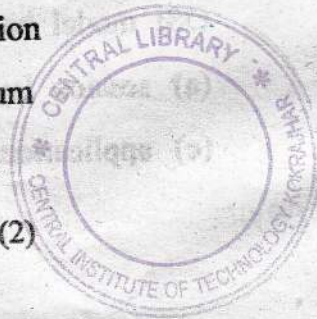
- (a) application layer
- (b) session layer
- (c) presentation layer
- (d) None of the mentioned above

(iv) Which of the following is NOT a search engine ?

- (a) Google
- (b) Excite
- (c) WebCrawler
- (d) Scientra ans

(v) HTML and HTTP standard are defined by

- (a) web client
- (b) Internet association
- (c) WWW consortium
- (d) WWW



2. Fill up the blanks :

1×10=10

- (a) \_\_\_\_\_ is a set of rules that governs data communication.
- (b) The size of an IP address in IPv4 is \_\_\_\_\_ bits.
- (c) \_\_\_\_\_ was the first widely available graphical browser for web users.
- (d) Full form of ARPANET is \_\_\_\_\_.
- (e) \_\_\_\_\_ is a buying and selling through internet.
- (f) SMTP is an \_\_\_\_\_ protocol.
- (g) The supplementary protocol that fetches e-mail from an e-mail server is called the \_\_\_\_\_ protocol.
- (h) \_\_\_\_\_ is used to store the data within the documents on the server.
- (i) UDP is \_\_\_\_\_ protocol.
- (j) EDI stands for \_\_\_\_\_.

84/Co-501/I&W.Technology (3)



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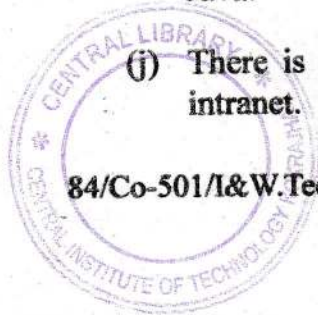


3. State whether true or false :  $1 \times 10 = 10$

- (a) Amazon.com is an example of B2B type E-Commerce.
- (b) HTTP is used for creating pages for the WWW.
- (c) Dial up internet connectivity is faster than leased line connectivity.
- (d) SYN bit is set for establishing a TCP connection.
- (e) All the web servers on the internet are collectively referred to as World Wide Web.
- (f) Domain name system is used for mapping domain name to IP address.
- (g) Telnet protocol does not allow us to connect to remote computers over a TCP/IP network.
- (h) CGI stands for common gateway interchange.
- (i) Interpreter and compiler, both are used in Java.
- (j) There is no difference between internet and intranet.

84/Co-501/I&W.Technology (4)

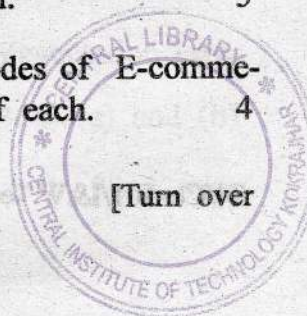
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PART – B

Marks – 45

4. (a) What are the features of internet? 3  
(b) Write the factors for choosing an ISP. 3  
(c) What is subnetting? Give an example. 3
5. (a) Explain the TCP header format in brief. 5  
(b) Differentiate between TCP and UDP. 4
6. (a) Write about DNS. 3  
(b) Explain direct and indirect delivery with example. 3  
(c) Define sliding window protocol. 3
7. (a) Describe how the client works in FTP. 3  
(b) Explain the components of IRC in brief. 4  
(c) What do you mean by EDI? 2
8. (a) Explain briefly about the different types of electronic payment system. 5  
(b) What are the different modes of E-commerce? Give an example of each. 4



9. (a) Compare JavaScript and Java. 3  
(b) What are the limitations of SMTP? 3  
(c) Define web hosting. What are the various types of web hosting? 3
10. Write short notes on any *three*: 3×3=9  
(a) CGI  
(b) Search engine  
(c) VB Script  
(d) Telnet.

