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**END SEMESTER/RETEST EXAMINATION-2022**

Semester : 5th (New/Old)

Branch : Computer

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 :**

- (i) All questions of PART-A are compulsory.
- (ii) Answer any *five* questions from PART-B.

**PART – A**

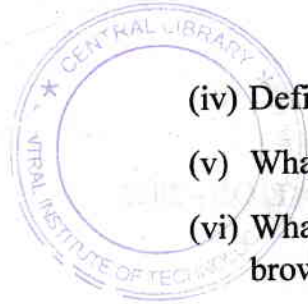
Marks – 25

1 Write in one word or one sentence each :

1×10=10

- (i) What is the full form of IMAP ?
- (ii) Which was the first network that planted the seeds of Internet ?
- (iii) Give two examples of transport layer protocol.

[Turn over



- (iv) Define E-commerce.
- (v) What is the full form of CGI ?
- (vi) What was the first widely available graphical browser for web users ?
- (vii) Write the full form of EDI.
- (viii) What is the abbreviation of HTTP ?
- (ix) What is the use of POP3 ?
- (x) Write one non-persistent, stateless protocol.

2. Fill in the blanks : 1×10=10

- (i) \_\_\_\_\_ layer provides the services to user.
- (ii) IPV4 contains \_\_\_\_\_ bits.
- (iii) \_\_\_\_\_ is called Blind Carbon Copy.
- (iv) The full form of IP is \_\_\_\_\_.
- (v) DOM stands for \_\_\_\_\_.
- (vi) \_\_\_\_\_ is the header size of UDP packet.
- (vii) FTP is a \_\_\_\_\_ protocol.
- (viii) The \_\_\_\_\_ tag is used for bulleted, unordered list.
- (ix) \_\_\_\_\_ is a non-linear text.
- (x) E-mail address is made up of \_\_\_\_\_ parts.

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3. Write true or false :

1×5=5

- (i) Java is not suitable for internet.
- (ii) ISP does not play any role when we want to transfer the files to a web server.
- (iii) URL stands for Uniform Resource Locator.
- (iv) SMTP is associated with electronic mail.
- (v) JavaScript is case sensitive.

**PART – B**

Marks – 45

- 4. (i) Define internet. What are the advantages of internet ? 3
- (ii) Write the factors for choosing an ISP. 3
- (iii) What is subnet ? Give an example. 3
- 5. (i) Write the properties of reliable stream delivery. 4
- (ii) Differentiate between TCP and UDP. 3
- (iii) Write about sliding window protocols. 2
- 6. (i) Explain direct and indirect delivery of packet in brief . 3

- (ii) Write about Class A and Class B of IP address. 4
- (iii) What are the requirements for EDI? 2
7. (i) Define Electronic Mail. What protocol is responsible to handle the incoming mail? 3
- (ii) Describe how the client works in FTP. 4
- (iii) Define Telnet. 2
8. (i) What are the different modes of E-commerce? Give an example of each. 4
- (ii) What are the applications of JavaScript? What are the ways to declare variables in JavaScript? 3
- (iii) What are the limitation of SMTP? 2
9. (i) Define WWW and web browser. 3
- (ii) Differentiate between search engine and meta search engine. 3
- (iii) What are the components involved in web hosting or hosting a website? 3
10. Write short notes on any *three*: 3×3=9
- (i) XML (ii) CGI
- (iii) Vbscript (iv) ActiveX
- (v) IRC.

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