

Th2- Internet & Web Technology

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. What do you mean by computer network?
 - b. Write down two differences between the internet and intranet?
 - c. What does VSAT stands for? Write one of the applications of VSAT.
 - d. How does firewall work?
 - e. Write down two differences between Internet and WWW.
 - f. Give four examples of Internet Application.
 - g. What are the types of Cascading Style Sheet?
 - h. How do you declare a variable in JavaScript? Give an example of it.
 - i. What is the syntax of anchor tag in HTML? Give an example of it.
 - j. What is the use of GET and POST method in PHP?
2. Answer **Any Six** Questions 6 x 5
 - a. Briefly explain the CIDR Notation.
 - b. Describe the characteristics of Good Web Design.
 - c. Write down five differences between the Static Websites and Dynamic Websites.
 - d. Explain five Form elements of HTML.
 - e. Write down five differences between CSS and SSS.
 - f. What is the use of <table> in HTML? Give an example of a simple HTML table.
 - g. How to create a function in JavaScript? Explain any four of the built-in functions in JavaScript.
- 3 . How many bits are there in IPv6 Address? Give a brief description about IP address. 10
- 4 . Explain in details about TCP/IP Model. 10
- 5 . What do you mean by client side scripting? How do you embed a JavaScript with HTML document? Give an example. 10
- 6 . What does PHP stands for? What are the conditional statements used in PHP? Write a PHP program using while loop. 10
- 7 . Write a short notes on : 10
 - I. SSL
 - II. Document Object Model

TH-II Internet and Web Technology

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. **Answer All questions** 2 x 10
 - a. What is a Modem?
 - b. Which layer is responsible for the reliability, flow control and correction of data in TCP/IP?
 - c. What does VSAT stand for?
 - d. What is the difference between plain text and cipher text?
 - e. Give four examples of social networking site.
 - f. Classify the different types of Cascading Style Sheets.
 - g. Write the use of radio button in HTML with an example?
 - h. How to create a function in JavaScript?
 - i. What does SQL stand for?
 - j. How to declare a variable in PHP?
2. **Answer Any Six Questions** 6 x 5
 - a. What does ISP stand for? Explain the working principal of ISDN network.
 - b. Explain about the CIDR Notation.
 - c. Define SSL. Write the features of SSL.
 - d. Differentiate between Static IP and Dynamic IP.
 - e. Explain any six types of tags in HTML.
 - f. Give a brief description about the loops in JavaScript.
 - g. Explain any five PHP string function.
3. What do you mean by Internet Connectivity? Explain the various method of connectivity. 10
4. What are the different types of form elements in HTML? Create a form using the form elements in HTML. 10
5. How to create a variable in JavaScript? Elaborate the conditional statements used in JavaScript. 10
6. What do you mean by Client Side Scripting? Explain the Server Side Scripting method. 10
7. Give an example of PHP code. What is the extension of PHP file? Explain about the operators in PHP. 10

5TH SEM / CS & E /IT/ 2022(W)
Th-2 Internet & Web Technology

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. What are the different data types used in PHP?
 - b. What is the responsibility of Internet layer in TCP/IP?
 - c. Define proxy server.
 - d. What is the difference between authentication & authorization?
 - e. Define FTP.
 - f. What does RSS stand for?
 - g. Name the protocols used in the application layer of TCP/IP.
 - h. Write any four tags required to create a table in HTML. Give example.
 - i. Which keyword is used to declare a variable in JavaScript?
 - j. Name four popular server side scripting languages.
2. Answer **Any Six** Questions 6 x 5
 - a. Differentiate between client side scripting and server side scripting.
 - b. Write down the different tags used in HTML document with their purpose. Give suitable example.
 - c. Classify different types of firewall.
 - d. What do you mean by search engines? Explain the searching techniques.
 - e. What is IP Address? Explain the original classful addressing scheme.
 - f. What is DOM? What is the use of document object? How to access a field value by document object? Give example
 - g. i)What is the role of ISP? 2+2+1
ii)Mention different types of connectivity.
iii)How many bits are there in an IP Address?
3. Describe the function of TCP/IP internet layering model by a suitable diagram. 10
4. What do you mean by web portals? Differentiate between webpage and website. 10
5. Why E-mail is used? Identify E-mail protocol. Explain the working principle & format of E-mail message. 10
6. Write short notes on (any two) 10
 - (i) Encryption & Decryption
 - (ii) CGI
 - (iii) E-Commerce
7. Explain the GET and POST method used in PHP with suitable example. 10

TH-2 INTERNET & WEB TECHNOLOGY

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. Write the two uses of computer network.
 - b. Name the protocols used in metropolitan area network.
 - c. Define MTU.
 - d. What do you mean by Namespace ?
 - e. Write the address range of CLASS B IP address .
 - f. State the difference between HTTP & HTTPs.
 - g. What is RSS Feed?
 - h. Name the different non-primitive datatype used in javascript.
 - i. Write the syntax & purpose of HTML fieldset element of the form.
 - j. Write the syntax & purpose of PHP string function with example.
Explode () , strpos ()

2. Answer **Any Six** Questions 6 x 5
 - a. Distinguish between server side scripting & client side scripting.
 - b. State & explain the PHP Session .
 - c. Write a program in javascript to check the string is palindrome or not.
 - d. How does a search engine work? Explain.
 - e. Differentiate between classfull IP address & classless IP address.
 - f. Write the short notes (any two):
 - i. NVT
 - ii. ISP
 - iii. E-Commerce
 - iv. IRC
 - g. Explain the various application level protocol.

3. Define html form. Why we use html form? Explain the syntax & purpose of different html form tag with example. 10
4. Briefly explain the basic security principle concept. 10
5. Define firewall. Explain the types of firewall. Describe the working principle of firewall. 10
6. Define cookies . how cookies works in javascript? How to create a cookie in javascript. 10
7. Compare & contrast the Internet , Intranet & Extranet. 10

5TH SEM./AI & ML./CS & E./IT./2024(W)

TH2 Internet & Web Technology

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. Define Internet and World Wide Web.
 - b. Write the simple structure of HTML document.
 - c. Define internet addressing.
 - d. Write down the difference between cell spacing and cell padding.
 - e. Name the two java script functions that convert strings to numbers. How do you give the function a string value to convert to a number?
 - f. What is javascript DOM?
 - g. What is the use of MAC address in connecting a computer to internet?
 - h. What is CSS?
 - i. Name two server side scripting languages.
 - j. What is DNS?
2. Answer **Any Six** questions 5 x 6
 - a.
 - i. What is the role of ISP? 1 x 5
 - ii. Mention different types of connectivity.
 - iii. What is botnet?
 - iv. What is X.509?
 - v. What is the difference between HTTP&HTTPS?
 - b. Differentiate between internet & intranet.
 - c. Define scripting. Write down the advantages of scripting languages.
 - d. Compare POP & IMAP.
 - e. Define website. Classify different types of website.
 - f. Explain how SSL works.
 - g. Define URL? How a URL is structured? Describe different parts of URL.

Answer **Any Three** questions
3. Define original classful addressing scheme. State the different forms of IP address. How it is different from classless addressing scheme. 3+3+4
4. Define E-mail. Explain the format of an E-mail message. 2+8
5. Write a program in javascript to calculate the factorial of a number. 10
6. Define HTML. Discuss different HTML tags with example. Explain the disadvantages of HTML. 10
7. Define array in PHP. Classify the types of array in PHP with example. 2+8