Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code: U9272

B.E./B.Tech. DEGREE EXAMINATION, APRIL 2024

Open Elective

Civil Engineering

21UCS972- WEB TECHNOLOGIES AND APPLICATIONS

(Common to ECE, EEE, MECH,IT, Chemical, AGRI, BME, CSBS & Biotechnology Engineering branches)

(Regulations 2021)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. Ravi needed to do a simple task for inline text elements using HTML. Write a HTML to make Ravi complete the task?   CO2-AP

2. Explain with an example about list tag?   CO1 - U

3. A user needed to change the background color in the web page. Write a CSS code to help user to change the background color?   CO2-AP

4. Give the syntax of CSS?   CO1 - U

5. How to validate email in Java Script?   CO1-U

6. Explain about named function in Java Script?   CO1-U

7. Explain the use of session in django framework?   CO1 - U

8. Consider the person 'X' has some amount in his hand and the person 'Y' has some amount in his hand. If they wish to exchange the amount among them, how they can exchange the amount by using the third party 'Z'?   CO2-AP

9. What is a callback function in node.js?   CO1-U

10. What is Distance Vector Protocol?   CO1-U

PART – B (5 x 16= 80 Marks)

11. (a) Create an HTML5 document that contains links to your five CO2-AP   (16)
        favorite daily deals websites. Your page should contain the
        heading "My Favorite Daily Deals Web Sites." Click on each of
        these links to test your page.

OR

(b) Kamal has to create an HTML document containing an ordered list   CO2-AP   (16)
of three items—ice cream, soft serve and frozen yogurt. Each
ordered list should contain a nested, unordered list of your favorite
flavors. Provide three flavors in each unordered list. Write a
HTML code to help Kamal?

12. (a) What is Margin and Padding in HTML? Write an Example for   CO1-U   (16)
Margin and Padding. Write the Difference Between Margin and
Padding?

<div align="center">OR</div>

(b) Explain about Inline and External Style Sheet with example?   CO1-U   (16)

13. (a) Write Java Script code in such a way that it contains button named   CO2-AP   (8)
(i) Say Hello. When user clicks button it must show new page with
"Hello there!"?
(ii) Write Java Script code in such a way that it contains button named   CO2-AP   (8)
Call Function. When user clicks button it must show the
Hypotenuse of the two variables?

<div align="center">OR</div>

(b) Create a webpage that contains label "numbers" and text field and   CO2-AP   (16)
button named submit. Write JavaScript program that contains only
numbers in the text field. If user enters other numbers in the output
must? Come as "enter numeric value" else the output must come
as "you are valid user thanks for visiting our site"?

14. (a) Write a python program to swap any two variable ,add, subtract,   CO2-AP   (16)
multiply and division any two variable and find simple and
compound interest?

<div align="center">OR</div>

(b) Write a code to develop a Chat App using django?   CO2-AP   (16)

15. (a) Write a code for weather monitoring using node js and explain the   CO2-AP   (16)
various steps involved in it?

<div align="center">OR</div>

(b) Write a code to develop to do list flask in python and write various   CO2-AP   (16)
procedure for creating it?

U9272