

Reg. No.

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B.E / B.TECH. DEGREE EXAMINATION, MAY 2023

Sixth Semester

OE18806- USER INTERFACE DESIGN*(Information Technology)***(Regulation 2018 / Regulation 2018A)****TIME: 3 HOURS****MAX. MARKS: 100**

CO 1	Acquire knowledge about functionalities of World Wide Web and Design an interactive web site(s)	4
CO 2	Create a web page using HTML5 tags.	6
CO 3	Select appropriate features of CSS3 to design a website.	5
CO 4	Design a client-side web application that accommodates specific requirements and constraints, based on analysis, modeling or requirements specification.	6
CO 5	Design web pages using Server-side scripting languages and establish database connectivity.	6

PART- A (10 x 2 = 20 Marks)

(Answer all Questions)

		CO	RBT LEVEL
1.	Explain the uses of internet standards in web site creation.	1	3
2.	Differentiate between HTTP and FTP.	1	4
3.	What is the use of <header> and <footer> in html5? Give an example.	2	2
4.	How will you incorporate audio tag in a web page? Mention its parameters.	2	2
5.	Write the syntax to include image border using CSS3.	3	3
6.	Show an example for CSS3 2D Transformation.	3	3
7.	Write a program to find area of a circle using JavaScript Math object.	4	3
8.	Differentiate between DOM and BOM models.	4	4
9.	How do you create sessions in servlets? Give an example.	5	3
10.	What is the use of URL rewriting in a web application. Give an example.	5	2

PART- B (5 x 14 = 70 Marks)

		Marks	CO	RBT LEVEL
11. (a)	Explain the working of SMTP with POP/IMAP protocols in the Email application.	(14)	1	2

(OR)

- (b) Explain the working of WWW with its architectural diagram in the modern web application. (14) 1 2

12. (a) Develop a website for a job application using html5 elements. (14) 2 3

(OR)

- (b) Develop a web page using the following features (14) 2 3
 (i) Canvas API
 (ii) Drag and Drop features

13. (a) Develop a student registration website using css3 features such as borders and custom web fonts. (14) 3 3

(OR)

- (b) Develop a web page using the following css3 features. (14) 3 3
 (i) 2D Transformation.
 (ii) Animation of text elements.

14. (a) Demonstrate the working of DOM model and explain how will you modify elements style using DOM. (14) 4 3

(OR)

- (b) Develop a registration form for college symposium using HTML and validate the form objects using JavaScript. (14) 4 3

15. (a) Write down the servlet program to perform arithmetic calculator operations. (14) 5 3

(OR)

- (b) Write a servlet code to pass the parameter data between pages. (14) 5 3

PART- C (1 x 10 = 10 Marks)

(Q.No.16 is compulsory)

- | | | Marks | CO | RBT
LEVEL |
|-----|---|-------|----|--------------|
| 16. | Design a webpage to check whether an entered day is a weekend or not. | (10) | 4 | 6 |
