

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Question Paper Code: U5801**

B.E./B.Tech. DEGREE EXAMINATION, NOV 2023

Fifth Semester

Information technology

21UIT501 - INTERNET AND WEB TECHNOLOGY

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. Write a HTML5 program to display an image with relevant attributes. CO2-App
2. How does the HTML structure impact the accessibility of a web page? CO3-Ana
3. Differentiate Class selector from element selector. CO1-U
4. Consider the following HTML structure: CO2-App  

```
<div class="container">  
<h1>Title</h1>  
<p>Paragraph 1</p>  
<p>Paragraph 2</p>  
</div>
```

Write a CSS selector that targets the second `<p>` element inside the `<div>` with the class "container" and applies a background color of "#F2F2F2" and a font size of 16 pixels.
5. How can you make use of Bootstrap's built-in icons? CO1-U
6. Write a bootstrap program to display different button styles. CO2-App
7. Define argument object in JavaScript and how to get the type of arguments passed to a function? CO1-U
8. Write a JavaScript program to check given number is Armstrong number or not. CO2-App
9. Explain the difference between `==` and `===` in PHP for comparison. CO1-U
10. Write a code for connect mysql database in PHP. CO2-App

PART – B (5 x 16= 80 Marks)

11. (a) Illustrate the HTML5 Canvas tag with example. CO1-U (16)
- (b) (i) Illustrate the HTML5 list tag with example. CO1-U (8)  
(ii) Illustrate the HTML5 table tag with example. (8)
12. (a) Develop a web page for your college information (Assume your own data) using appropriate CSS selectors and HTML. Justify your code which CSS selector and types will be suitable for the design. CO3-Ana (16)
- (b) Design a web page that shows the result of a survey on a student election campaign. The document should contain a table showing list of candidates and corresponding percentage of votes for each of them. Use attributes to format width, border and cell spacing for the table. Justify your code which CSS selector and types will be suitable for the design. CO3-Ana (16)
13. (a) Explain the key features and advantages of using Bootstrap in HTML development. Discuss how Bootstrap helps in creating responsive and mobile-friendly websites. Provide examples to support your answer. CO1-U (16)
- (b) Discuss the grid system in Bootstrap. Explain how the grid system works, including the use of containers, rows, and columns. Provide a code example to demonstrate the creation of a responsive layout using Bootstrap's grid system. CO1-U (16)
14. (a) Design a web page to validate the name and password. The name can't be empty and password can't be less than 6 characters long. Analyze the code which CSS selector and types you will be select for design. CO3-Ana (16)
- (b) Design a web page to validate the email by the help of JavaScript. There are many criteria that need to be follow to validate the email id like
- i. email id must contain the @ and . Character
  - ii. There must be at least one character before and after the @.
  - iii. There must be at least two characters after. (dot).
- Analyze the code which CSS selector and types you will be select for design. CO3-Ana (16)

15. (a) Discuss arrays in PHP with suitable examples. CO1-U (16)
- (b) Discuss string and its functions in PHP with suitable examples. CO1-U (16)

