

GYANMANJARI INNOVATIVE UNIVERSITY

Gyanmanjari Institute of Technology

B.Tech.- End Semester Examination (ESE)-Summer-2025

Enrollment No.: _____

Date: 04/12/2025

Subject Code: BETCE13304

Semester: 3

Subject Name: Web Designing

Total Marks: 100

Time: 02:30PM To 05:30PM

Instructions:

1. Question No. 1 is Compulsory.
2. Make Suitable Assumptions wherever necessary.
3. Figures to the right indicate full marks.

	Marks
Q.1 (a) Define term: WWW.	05
(b) What is HTTP?	05
(c) What is HTTP? How do browser and server communicate using HTTP request and response? Explain with example.	10
Q.2 (a) Give the full form of following acronyms. 1. DOM 2. FTP 3. HTML 4. URI 5. DHTML 6. ISP 7. TCP 8. PHP	05
(b) List out any four HTML Tag and describe their functionality.	05
OR	
(b) Write full form of CSS. Describe types and advantages of CSS.	05
(c) Explain Callback function in JavaScript with example	10
OR	
(c) Define Array in detail in javascript with proper example.	10
Q.3 (a) What are the different types of popup boxes in JavaScript?	05
(b) List web design in details.	05
(c) What is jQuery? Mention two benefits of using jQuery in web development.	10
OR	
(a) What are the key components of an effective website navigation design?	05
(b) What is meta tag? How it is useful by search engine?	05
(c) Explain the Architecture of Web Browser.	10
Q.4 (a) What is JavaScript? Discuss advantages of JavaScript.	05
(b) How does AJAX improve the user experience on a website?	05
(c) Explain Web design issues with example.	10

OR

- (a) Write HTML code to create an unordered list of your five favorite websites. 05
- (b) Demonstrate CSS Pseudo classes with example. 05
- (c) Describe how the Bootstrap grid system works with an example of a 3-column layout. 10
- Q.5 (a) Differentiate between == and === in JavaScript with examples. 05
- (b) Explain the difference between img, picture, and figure elements in HTML. 05
- (c) What is CSS Box Model? Write CSS code to implement following output. 1) Make an ordered list with red border, padding and font size 20. 2) Use flower.jpg as Background and repeat it. 3) Change background color of text box when focused. 4) Create a fixed position link at bottom with scrolling page. Give name of the link "#top". 10

OR

- (a) Explain the difference between synchronous and asynchronous requests in the context of AJAX. 05
- (b) Design an HTML form with validation using HTML5 tags (required, type, pattern, etc.). 05
- (c) Design a login form using HTML & JavaScript with following validations using Regular Expression on username and password fields. 1. Username and Password should not be both blank 2. Username should not start with digit, _, @ or # 3. Password length must be 8 to 16 characters 10