

R.N.G.PATEL INSTITUTE OF TECHNOLOGY-RNGPIT
(An Autonomous Institute U/s UGC Act 1956)

IMSc-IT SEMESTER-I, SEMESTER END EXAMINATION – WINTER 2025

SUBJECT CODE: 1BS105

DATE: 24-12-2025

SUBJECT NAME: INTRODUCTION TO WEB DESIGNING

TIME: 11:00 AM to 01:30 PM

TOTAL MARKS: 70

Instructions

1. It is **compulsory** for students to write **Enrolment No. /Seat No.** on the question paper.
2. Write answers of **Section A** and **Section B** in **separate answer books**.
3. Attempt all questions from both **Section A** and **Section B**.
4. Each section carries **35 marks**, with a total of **70 marks** for the examination.
5. The figures to the right of each question indicate full marks, make suitable assumptions with justification.
6. BL - Bloom's Taxonomy Levels (R-Remember, U-Understanding, A –Application, N –Analyze, E – Evaluate, C -Create), CO - Course Outcomes.

SECTION A

	Marks	BL	CO
Q.1 Multiple-Choice Questions	[05]		
(a) The World Wide Web (WWW) works on which model?	1	U	1
(i) Peer-to-peer			
(ii) Client–Server			
(iii) Master–Slave			
(iv) Ring topology			
(b) The main purpose of a VPN is to _____.	1	R	1
(i) Provide free internet			
(ii) Increase bandwidth			
(iii) Give secure access over a public network			
(iv) Block advertisements			
(c) The <i>Look and Feel</i> of a website refer to _____.	1	U	2
(i) Network speed			
(ii) HTML syntax			
(iii) Web server security			
(iv) Visual design and user experience			
(d) Which HTML tag is used to embed a video?	1	A	4
(i) <video>			
(ii) <embed>			
(iii) <audio>			
(iv) <source>			
(e) Which format is commonly used to create animated graphics for web pages?	1	R	4
(i) PNG			
(ii) GIF			

(iii) JPEG

(iv) BMP

Q.2 Attempt Any Two

[10]

- (a) Explain the architecture of the Client-Server model. 5 R 1
- (b) Write a short note on URL. 5 U 1
- (c) What is a Virtual Private Network (VPN)? Explain its working and advantages. 5 R 1

Q.3 Attempt Any Two

[10]

- (a) What is user-centric design? Discuss its importance in website development. 5 R 2
- (b) Define bandwidth and cache. 5 U 2
- (c) Describe key concepts of effective web design. 5 U 2

Q.4 Attempt Any Two

[10]

- (a) Explain the tag in detail. Discuss its attributes such as src, alt, height, width with examples. 5 A 4
- (b) Explain <audio> and <video> tag with example. 5 A 4
- (c) How to apply a custom image background using HTML and CSS. Provide suitable examples. 5 A 4

SECTION B

Marks BL CO

Q.5 Multiple-Choice Questions

[05]

- (a) For password input: 1 A 3
- (i) <input type="password"> (ii) <input type="pwd">
- (iii) <input type="secret"> (iv) <input type="pass">
- (b) To change font size 1 U 5
- (i) font-size (ii) font-style
- (iii) size-font (iv) text-size
- (c) The “cascade” in CSS means 1 R 5
- (i) Only one style applies (ii) Style sheet resets
- (iii) Styles flow in multiple directions (iv) Multiple styles may apply with priority rules

(d) Multiple elements can share: **1 U 5**

- (i) Class** **(ii) ID**
- (iii) Both** **(iv) None**

(e) Inline CSS has **1 R 5**

- (i) Lowest priority** **(ii) Highest priority**
- (iii) No priority** **(iv) Medium priority**

Q.6 Attempt Any Two **[10]**

- (a) Describe the structure of an HTML document with a diagram.** **5 U 3**
- (b) Explain text formatting tags in HTML with examples.** **5 U 3**
- (c) Explain radio button, checkbox, and dropdown elements.** **5 A 3**

Q.7 Attempt Any Two **[10]**

- (a) Explain different ways to apply style sheet to a webpage.** **5 R 5**
- (b) Explain following CSS properties: color, background, padding** **5 U 5**
- (c) Write HTML+CSS code to format a paragraph using: different colors, borders, margin** **5 R 5**

Q.8 Attempt Any Two **[10]**

- (a) Explain ordered, unordered, and definition lists with examples.** **5 U 3**
- (b) Explain table tags <table>, <tr>, <td>, <th>, colspan, rowspan with examples.** **5 A 3**
- (c) Write HTML code to set background color, text color, and background image.** **5 A 3**
