

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

IMSc-IT. SEMESTER-I, SEMESTER END EXAMINATION - WINTER 2024

Subject Code: 1BS105	Date: 21-12-2024
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 Objective-Type Questions	[05]							
(a) Which of the following protocols is commonly used in a client-server architecture for web communication?	1	R		1				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">(i) FTP</td> <td style="width: 50%;">(ii) SMTP</td> </tr> <tr> <td>(iii) HTTP</td> <td>(iv) SNMP</td> </tr> </table>	(i) FTP	(ii) SMTP	(iii) HTTP	(iv) SNMP				
(i) FTP	(ii) SMTP							
(iii) HTTP	(iv) SNMP							
(b) Which of the following best describes a website's sitemap?	1	R		2				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">(i) List of image.</td> <td style="width: 50%;">(ii) Diagram showing the hierarchy</td> </tr> <tr> <td>(iii) List of keywords</td> <td>(iv) Software to manage content</td> </tr> </table>	(i) List of image.	(ii) Diagram showing the hierarchy	(iii) List of keywords	(iv) Software to manage content				
(i) List of image.	(ii) Diagram showing the hierarchy							
(iii) List of keywords	(iv) Software to manage content							
(c) Which attribute is necessary to define the size of a canvas?	1	R		4				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">(i) width and height</td> <td style="width: 50%;">(ii) size and scale</td> </tr> <tr> <td>(iii) resolution</td> <td>(iv) dimensions</td> </tr> </table>	(i) width and height	(ii) size and scale	(iii) resolution	(iv) dimensions				
(i) width and height	(ii) size and scale							
(iii) resolution	(iv) dimensions							
(d) Which of the following is NOT a valid SVG element?	1	U		4				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">(i) <rect></td> <td style="width: 50%;">(ii) <circle></td> </tr> <tr> <td>(iii) <triangle></td> <td>(iv) <line></td> </tr> </table>	(i) <rect>	(ii) <circle>	(iii) <triangle>	(iv) <line>				
(i) <rect>	(ii) <circle>							
(iii) <triangle>	(iv) <line>							

- (e) Which of the following image formats supports transparency? 1 U 4
- (i) BMP (ii) JPEG
- (iii) PNG (iv) TIFF

Q.2 Attempt Any Two [10]

- (a) Explain client-server architecture in detail. 5 U 1
- (b) What is web server? Explain URL and HTTP. 5 R 1
- (c) What is computer network? Explain its types. 5 R 1

Q.3 Attempt Any Two [10]

- (a) Explain the basic concepts of web designing. 5 R 2
- (b) Explain User-centric design. 5 U 2
- (c) Write a short note on bandwidth and display resolution. 5 U 2

Q.4 Attempt Any Two [10]

- (a) Explain SVG with examples. 5 R 4
- (b) Explain embedding of audio and video in web page. 5 U 4
- (c) What is image? Explain Image upload in detail. 5 U 4

SECTION B

	Marks	BL	CO
Q.5 Objective-Type Questions	[05]		
(a) Which HTML tag is used to create a hyperlink?	1	R	3
(i) <link>			
(ii) <a>			
(iii) <href>			
(iv) <hyperlink>			
(b) How do you create a checkbox in HTML?	1	U	3
(i) <input type="check">			
(ii) <input type="checkbox">			
(iii) <check>			
(iv) <checkbox>			
(c) Which of the following values of the display property hides an element but keeps the space reserved?	1	R	5
(i) none			
(ii) block			
(iii) inline			
(iv) visibility: hidden			
(d) Which CSS property is used to create space between the element's border and its content?	1	U	5
(i) margin			
(ii) padding			
(iii) spacing			
(iv) border-spacing			
(e) Which CSS property controls the text size?	1	A	5
(i) font-size			
(ii) text-size			
(iii) font-style			
(iv) text-style			
Q.6 Attempt Any Two	[10]		
(a) Explain Text Formatting Tags in detail with example.	5	U	3
(b) Describe Listing Tags with proper example.	5	U	3
(c) Write steps to publish a website.	5	R	3
Q.7 Attempt Any Two	[10]		
(a) Explain Form elements in detail.	5	A	3
(b) Describe table tag with colspan and rowspan.	5	U	3

(c) Explain the different types of input tag. 5 A 3

Q.8 Attempt Any Two [10]

(a) Explain advantage of CSS in brief. 5 R 5

(b) Explain different ways to apply style sheet to a webpage. 5 U 5

(c) Describe CSS Font properties. 5 U 5
