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

ONLINE MCA SEMESTER-I, SEMESTER END EXAMINATION – WINTER 2025

SUBJECT CODE: 1MCA105	**DATE: 23-01-2026**
SUBJECT NAME: WEB TECHNOLOGY - I	
TIME: 09:00 AM to 11:00 AM	**TOTAL MARKS: 50**

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 **25 marks**, with a total of **50 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	**(a)**	Write a HTML script to develop a table to display student information (Roll No, Name, Marks) using suitable table tags and attributes. Explain how rows and columns are defined.	**05**	**A**	**1**
Q.2		**Attempt Any Two**	**[10]**		
	(a)	Differentiate between inline, internal, and external CSS. Explain their use cases.	**05**	**U**	**2**
	(b)	Explain the syntax and declaration structure of CSS with a suitable example.	**05**	**U**	**2**
	(c)	Write a JavaScript program using control statements to check whether a number is even or odd.	**05**	**A**	**2**
Q.3		**Attempt Any Two**	**[10]**		
	(a)	Explain Bootstrap and its advantages in modern web development.	**05**	**U**	**3**
	(b)	Write a code using Bootstrap alerts and buttons to show success, warning, and error messages in a web application.	**05**	**A**	**3**
	(c)	Describe the Bootstrap grid system. Explain the role of rows, columns, and containers in creating responsive layouts	**05**	**U**	**3**

SECTION B

			Marks	BL	CO
Q.4	**(a)**	Explain the concept of Dynamic HTML and describe how HTML, CSS, and JavaScript used to create dynamic web pages.	**05**	**U**	**1**
Q.5		**Attempt Any Two**	**[10]**		
	(a)	Explain different data types in PHP with suitable examples.	**05**	**U**	**4**
	(b)	Explain how GET and POST methods are used to handle form data in PHP with a suitable example.	**05**	**U**	**4**
	(c)	Describe PHP string handling functions strpos(), substr(), and str_replace() with examples.	**05**	**A**	**4**
Q.6		**Attempt Any Two**	**[10]**		
	(a)	Describe how sessions and cookies are used in PHP for user management with suitable examples.	**05**	**A**	**5**
	(b)	Explain the importance of form handling and data validation in database-driven PHP applications.	**05**	**U**	**5**
	(c)	How prepared statements in PHP prevents the SQL injection attack?	**05**	**A**	**5**

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