

Gandhi Institute of Engineering and Technology University, Odisha, Gunupur (GIET University)

M.C.A. (Third Semester - Regular) Examinations, November - 2025

MCA23301 – Internet and Web Technology



Time: 3 hrs

Maximum: 60 Marks

(The figures in the right hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. What is the purpose of XML DTD?	CO1	K1
b. Define AJAX. State its advantages.	CO2	K1
c. Distinguish between XAMPP and LAMPP.	CO3	K2
d. What do you understand by regular expressions? Mention its uses in PHP.	CO4	K1
e. Write PHP code to check if a variable is an integer.	CO5	K2

PART – B

(10 x5=50 Marks)

Answer **ALL** questions

	Marks	CO #	Blooms Level
2. a. Define List? Explain different types of lists used in HTML with an example.	5	CO1	K2
b. Explain how the Document Object Model can be used to manipulate XML documents.	5	CO1	K1
(OR)			
c. Explain the concept of hyperlinks and anchor tags in HTML with an example.	5	CO1	K2
d. Explain how multimedia elements (audio, video) are embedded in HTML5.	5	CO1	K2
3.a. Explain different types of CSS selectors with examples.	5	CO2	K1
b. What are HTML5 semantic elements? Why are they important?	5	CO2	K1
(OR)			
c. What is CSS? Explain different types of CSS in HTML with an example.	10	CO2	K2
4.a. Explain the basic structure and syntax of JavaScript.	5	CO3	K2
b. Write JavaScript code to validate a user login form.	5	CO3	K3
(OR)			
c. Explain JavaScript control statements with examples.	5	CO3	K2
d. Explain objects and arrays in JavaScript with examples.	5	CO3	K2
5.a. Explain file handling operations in PHP with example.	5	CO4	K3
b. Explain the concept of sessions and cookies in PHP.	5	CO4	K3
(OR)			
c. Differentiate between server-side and client-side scripting.	5	CO4	K1
d. Explain how PHP can be used to generate dynamic web pages.	5	CO4	K3
6.a. Write the step by step process for establishing a MySQL connection in PHP.	5	CO5	K2
b. Discuss the advantages of Model–View–Controller (MVC) using JSP and Servlets.	5	CO5	K1
(OR)			
c. Write a PHP program to insert and retrieve data from a MySQL database.	5	CO5	K2
d. What is JSON? Compare JSON and XML.	5	CO5	K1

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