

END TERM EXAMINATION

SECOND SEMESTER [BCA] MAY-JUNE 2025

Paper Code: BCA-104

Subject: Web Based Programming

Time: 3 Hours

Maximum Marks: 60

Note: Attempt all questions as directed. Internal choice is indicated.

- Q1. Attempt **any ten** of the following questions: (10×2=20)
- Differentiate between WAMP, LAMP, MAMP and XAMPP.
 - Explain phpconfig().
 - What type juggling?
 - Differentiate between static and global variable.
 - Differentiate between printf, echo and print statements in PHP?
 - What is Hypertext Preprocessor?
 - How to check if there are any errors while connecting to MySQL using MySQLi Object Oriented approach?
 - Differentiate between exceptions and errors.
 - Why is function overloading not supported in PHP?
 - Differentiate between \$, \$\$ and \$\$\$.
 - Differentiate between call by value and call by reference.

UNIT-I

- Q2. (a) Differentiate between static and dynamic website. (5)
(b) Write a short note on associative array. Create an associative array using countries as keys and cities as values and transform it into 2D array and display the data as table. (5)

OR

- Q3. (a) Differentiate between client-side scripting languages and server-side scripting Languages. (5)
(b) Write a program to perform any 2 types of sorting in PHP. (5)

UNIT-II

- Q4. (a) Differentiate between sessions and cookies in PHP. (5)
(b) Create a registration form for a bank portal and sessions should expire if the system is idle for 1 minute. (5)

OR

- Q5. (a) What are different types of errors in PHP? (5)
(b) Create a form that takes user's full name, email id, subject and message on form Submission, a mail from email id "noreply@ggsipu.com" will be sent to the users email if which was entered by the user in the form, regarding form submission confirmation with the message "We have received your query" (5)

UNIT-III

- Q6. (a) Write a program to upload and download an image. Please implement all necessary validations along with the following validations:
(i) Image must be in the format *jpg, *.png, *.jpeg (6)
(ii) Image must not be greater than 1MB (4)
(b) Explain all the different modes of opening a file in PHP using fopen(). (4)

OR

- Q7. (a) Explain all the concepts of Object Oriented Programming. (5)
(b) Write a program to implement multiple inheritance in PHP. (5)

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UNIT-IV

- Q8. (a) Differentiate between MySQLi and PDO. Write a program to connect to a database named "ggsipu_db" using MySQLi Object Oriented. (5)
(b) Write a short on MongoDB. (5)

OR

- Q9. (a) Write a program to create database named "ggsipu_db" and perform CRUD (Create, Read, Update and Dele) operations on the database using MySQLi. (6)
(b) Write a short on SQLite. (4)
