



echo "Name: ", \$_COOKIE["username"],
unset(\$_COOKIE["username"]);
cookies_destroy();

Tribhuvan University
Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2025

Bachelor in Computer Applications
Course Title: Scripting Language
Code No: CACS 254
Semester: IV

Full Marks: 60
Pass Marks: 24
Time: 3 hours

Candidates are required to answer the questions in their own words as far as possible.

Group B

Attempt any SIX questions.

[6×5 = 30]

2. Write a JavaScript program to accept n integers into an array calculate and display the sum and average of the numbers; also find the largest number among them. [2+3]
3. PHP and JavaScript are both programming languages that generate dynamic results for web pages. What is their main difference, and why would you use both of them? [5]
4. Explain event handling in JavaScript? Difference between map and forEach method in JavaScript. [2+3]
5. What is jQuery? Explain any four jQuery effect methods with example. [1+4]
6. Write the necessary scripts to check for unique phone numbers in the 'students' table without reloading the webpage, using AJAX. [5]
7. What is the use of \$_FILES array? Explain different types of array available in PHP. [1+4]
8. Why is the error_reporting function important for PHP applications? Explain how cookies are stored, accessed, and destroyed using server-side PHP scripts. [2+3]

Group C

Attempt any TWO questions.

[2×10 = 20]

9. What are the major features of CMS? Implement an interface in PHP with specific properties (radius for a Circle class, side for a Square class, and base and height for a Triangle class) to ensure that multiple classes define their own implementation of a method (calculateArea), utilizing these properties in their calculations. [3+7]
10. Create a webpage with a form for BCA entrance exam, including fields for name, email, mobile number, password, gender, intermediate faculty, and date of birth. Store the entered data in the MySQL database 'FOHSS' in the table 'BCA', and validate the form using JavaScript with following rules. [2+4+4]
 - i. Required: All fields are mandatory.
 - ii. Format: Must follow valid formats, such as a proper email address and a 10-digit mobile number.
 - iii. Valid Date: Ensure the input follows a valid date format for date of birth (YYYY-MM-DD).
11. Write a JavaScript program to create and design a calculator with the following features:
 - When the user presses numbers or an arithmetic operator, it should append to the input bar.
 - When the user presses the equals (=) button, the entered value should be calculated and displayed.

error_reporting is a type of error handling so it is important to handle errors.