



Tribhuvan University
Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2024

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 JS program to highlight all of the words over eight characters long in the paragraph text (with a red background).
3. What is JavaScript? Explain different types of JavaScript with proper example. [1+4]
4. Write PHP function that accepts username and password as arguments and check with student table, if credential match, redirect to dashboard page otherwise display 'Invalid username/password'. [5]
5. What is jQuery? Explain XMLHttpRequest object with its properties and methods with relevant example. [1+4]
6. What is Widgets? Explain different Features of CMS. [1+4]
7. Write rules to create variable in PHP. How to create, store, access and destroy session in PHP? [1+4]
8. Write short note on (any two) [2.5+2.5]
 - a) Types of array in PHP
 - b) Arrow Function in JavaScript
 - c) jQuery UI

Group C

Attempt any TWO questions.

[2×10 = 20]

9. Write server side script to create and validate form with following rule and store given data into 'patients' table with details (name, patient-id, mobile, gender, address, dob, doctor name) [3+4+3]
 - Name, Mobile, doctor name, gender, dob : Required
 - Mobile : 10 digit start with 98,97 or 96
 - DOB: YYYY-MM-DD format
10. What is JavaScript Event? Explain different method that are available to access DOM element using id, class, name and selector with suitable example. [2+8]
11. What is Inheritance? Explain different ways to implement polymorphism in PHP with proper example. [2+8]