

Nepal College of Information Technology

Assessment

Level: Bachelor

Year : 2021

Programme: BE SE(day)

Full Marks: 100

Pass Marks: 50

Subject: Web Technology

Time : 3 hrs

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a. What do you mean by DNS? Explain about HTTP request and response. 7
b. Frames provide a helpful mechanism for dividing a web page into pieces. Justify your answer with a suitable example script. Can a table be employed for creating the pages as an alternative to frames? Modify your example by using tables. 8
2. a. How will you achieve a navigation bar in an html page which stays in its original position even on page scroll? Illustrate with an example code. 7
b. What is document object model? Provide an example script for stacking elements. 8
3. a. What is CSS? What are Logical and Physical tags? Explain any four CSS selectors. 7
b. What do you understand by file handling? Write a program using PHP and HTML forms containing 5 fields (Name, roll number, faculty, email, gender), and write the content of the fields to a text file on the click of a submit button. Make sure the file exists before writing and on every new write to file ,the file should retain previous values. 8
4. a. Write a program to convert **first letter(alphabet)** of given string to uppercase in JS. Ask string from user using prompt and display the result in document. Also make sure user has provided an alphabet as first letter. 7
b. Explain how does DOM event model works with an example 8
5. a. Write a php function to validate Name(first name<space> last name) and email . 5

- b. What is the use of PHP in the field of Web Programming? Explain about its pros and cons. 5
- c. Explain different types of arrays used in PHP. 5
6. a. What are Cookies and Session.? Consider the scenario. There is a login page for users with email address and password . After submitting the form user should be redirected to another page(home page) and should be greeted with the first part of his email address (string before @ symbol). 7
- [Example if email is abc@gmail.com ,then in the home page user should see 'Welcome abc']
- Implement above scenario using PHP. [database not needed]
- b. Write a PHP program to update the user name(stored in database) of an user on the basis of given values of email address and password. [User will provide his email, password and new username via HTML form] [Assume appropriate names for database and table] 8
7. Write short notes on (**Any Two**): 2×5
- a. Domain registration
- b. PHP pattern matching
- c. CSS Box model