

POKHARA UNIVERSITY

Level: Bachelor
Programme: BE
Course: Web Technology

Semester: Spring

Year : 2018
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

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 is image map in HTML? Write a HTML code to show the mapping of image. 7
b) What is the function of Domain Name System? Write about the differences between LAN, WAN, MAN, PAN and Web. 8
2. a) Explain the following: 8
 - i. URL vs URI
 - ii. MIME Headers
 - iii. HTTP vs HTTPS
 - iv. SMTP vs POP3
b) Create an HTML form with one textbox for getting name, one textbox for getting password, two radio buttons for getting gender (male and female), dropdown for getting subjects (Web, Math) and textarea for getting feedback. 7
3. a) What are the main purposes of id and class selectors? Explain with respective examples. 7
b) Define DOM. Write JavaScript function to validate a form input field for **onblur** event whether it is blank or not and contains number or not. 8
4. a) Is JavaScript Object Oriented Programming Language? Illustrate your answer with suitable reasons and examples. 5
b) Write JavaScript code to find the factorial of a number requesting a number from user using prompt. 5
c) How dragging and dropping of XHTML elements is possible in JavaScript? 5
5. a) Explain the use of PHP \$_GET and \$_POST variables. 5
b) Explain the CRUD operation in MySQL along with example. 5

- c) Explain the uses of pattern matching in PHP with suitable example. 5
6. a) Describe Starting, Storing and Destroying a Session. Explain with sample codes. 8
b) Write a PHP code that connects with the database and insert (firstname, lastname, age) in a table using insertion query. 7
7. Write short notes on: (Any Two): 2×5
 - a) Domain Registration Process
 - b) Div and Span
 - c) MySQL Joins