

## POKHARA UNIVERSITY

Level: Bachelor                      Semester: Spring                      Year : 2019  
Programme: BE                      Full Marks: 100  
Course: Web Technology                      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) Define Internet. Explain two-tiered and three-tiered web architectures. 7  
b) Define URL and domain name. Explain about HTTP, FTP and WAP protocols. 8
2. a) Create an HTML form with one textbox for getting name, one text box for getting password, two radio buttons for getting gender (male and female), dropdown for getting subjects(WT, Math, C, C++) , text area for getting feedback and one submit button. 8  
b) Define Empty HTML Elements with examples. Explain the uses of <frame>, <iframe> and <table> tags in HTML with examples of each. 7
3. a) Define CSS. Why it is important? Explain <span> and <div> tags with examples. 8  
b) Write a program to explain e-mail validation. Your program must contain email, password and submit button. On clicking, validate whether the fields are blank and the format for the email is right. 7
4. a) Define event. Explain about event handling mechanism in Javascript with example. 7  
b) Is there any possibility of dynamic stacking of images in JavaScript? Explain your answer with an example. 8
5. a) What type of programming is PHP programming? Explain about its general syntactic characteristics. 7  
b) Write a PHP and MySQL code for the following: 8
  - i. Create a database 'institute' with a table 'tbl\_users' and fields on table as 'id', 'name', 'roll', 'mobile\_number', 'email', 'status' with 'id' as primary key.
  - ii. Create HTML form for getting data on (i). Write PHP code to read data submitted from the form and insert it on 'tbl\_users'. Also, apply the server side validation mechanism for empty inputs.
6. a) Explain the implementation of session and cookies in PHP with 8

example codes of each.

- b) Why is SQL join needed? Illustrate it with different types of SQL Joins with examples. 7
7. Write short notes on: (**Any two**) 2×5
  - a) Box model in CSS
  - b) Dragging and dropping elements in javascript
  - c) Indexed and associative arrays in PHP