

POKHARA UNIVERSITY

Level: Bachelor
Programme: BE
Course: Web Technology

Semester – Fall

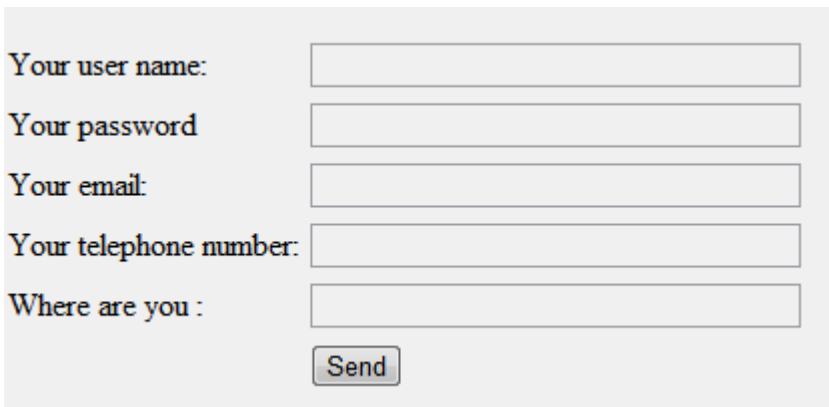
Year : 2011
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

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) Discuss the need of web browser and web server in accessing the Internet. 5
 - b) List the different MIME headers and explain them. 5
 - c) Discuss the need of HTML? Illustrate with a very basic example the structure of a simple HTML document. 5
2.
 - a) Write the form code for the following image. 5



Your user name:

Your password

Your email:

Your telephone number:

Where are you :

- b) What are the different levels of style sheets with their hierarchy of implementation to a file? Explain the DIV and SPAN tags with a valid and detailed example. 10
3.
 - a) Why is JavaScript called client side scripting language? Explain the advantages of using client side scripting language. Support your answer with an example scenario. 8
 - b) What is DOM? Write a code synopsis to represent dragging and dropping of elements in JavaScript. 7

4. a) Using JavaScript and forms prepare a HTML document to find (and display in a textbox) the factorial of an entered number. Also display the message in alert box if the factorial is divisible by both 2 and 5 or not. 8
- b) Why PHP is called server side scripting language? Briefly explain any five general syntactic characteristics of PHP. 7
5. a) How can we connect to a database using PHP? Write working code to connect to the database and save the contents of the form in question no 2a) above. 10
- b) List and briefly explain the arithmetic and logical operators used in PHP. 5
6. a) What do you understand by file handling? Write a program using PHP and HTML forms containing 3 text fields and 1 number field, and write the content of the fields to a text file on the click of a submit button. 8
- b) What is SOAP? Discuss a scenario where we can use a SOAP envelope. 7
7. Write short notes on **any two**: 2×5
- a) RSS and usage of RSS Feeds
- b) Significance of HTTP Request and Response headers
- c) Trends of Electronic Payment System in Nepal