

PURBANCHAL UNIVERSITY**2014 (New)**

B.E. (Computer)/Fourth Semester/Final

Time: 03:00 hrs.

Full Marks: 80 /Pass Marks: 32

BEG275CO: Free Open Source Programming

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

All questions carry equal marks.

Answer **TEN** questions.

1. What is FOSS? Free software and open source are two parties of the same community. Explain. 2+6
2. What is open standard and open content? Differentiate between open source software and proprietary software. 3+5
3. List the benefits and shortcomings of FOSS. What is open source software licensing. Explain the OSS licensing strategies. 3+5
- 4(a) Compare web browser and web server. Explain HTTP transaction with the suitable figure. 2+3
- (b) What is HTML? Write HTML code to generate output as shown below. 1+2

MARKSHEET				
SUBJECT	MARKS			
FOSP	INTERNAL		EXTERNAL	
	THEORY	PRACTICAL	THEORY	PRACTICAL
	20	50	80	-

- 5(a) Write HTML code to create the form as shown below 4

First Name

Last Name

Address

Date Day Month Year

Gender ☐ Male ☐ Female

(2)

- (b) Write HTML tag to insert image in web page. How javascript is implemented in HTML. 2+2
- 6(a) What are the different dialog boxes used in javascript? Explain. 4
- (b) Write javascript code for the validation of name and address and phone number. 4
- 7(a) Write the program in javascript to display the factorial of any number. 3
- (b) What is php? Write php code to create, open, delete and update the file. 1+4
- 8(a) Why php is called server side scripting language? Write the pros and cons of using php. 2+2
- (b) Explain different array used in php with examples. 4
- 9(a) Write the program in php to list the multiple of 2. 4
- (b) What is language construct and functions? Write the syntax to implement php in web page. 3+1
- 10(a) Write the syntax to connect database with mysql using php. 1
- (b) What is cookies and session? Write the program to create and delete cookies using php. 2+2
- (c) Write the mysql queries for: 3
- creating a mysql table named COLLEGE
 - Consisting of field college-id, name, address, phone number
 - Insert data into table
 - Select all from the table
11. Write short notes on (any TWO) 2×4=8
- (a) Image map
 - (b) CSS (Cascading Style Sheets)
 - (c) FOSS philosophy
 - (d) proprietary software

Contd. ...