

PURBANCHAL UNIVERSITY**2015**

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

Time: 03:00 hrs.

Full Marks: 80 /Pass Marks: 32

BEG275CO: Free Open Source Programming (New Course)

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

All questions carry equal marks.

Answer EIGHT questions.

8 × 10 = 80

- 1(a) What is FOSP? Explain the advantages and disadvantages of FOSP. 5
- (b) Explain commercial License versus Open source license. 5
- 2(a) What is PROTOCOL? Explain about FTP, TCP and IP with necessary diagrams? 5
- (b) What do you mean by 404 errors in web server? How bandwidth is managed to run a website smoothly? 5
- 3(a) Explain various List Tags used in HTML and Write an example of each list tag. 5
- (b) How document is linked in HTML? Explain the types of linking documents with their example in HTML. 5
- 4(a) What is the role of CSS for making a beautiful and eye-catching Web Pages. 5
- (b) Explain various way of including CSS in HTML with an example. 5
- 5(a) Differentiate between Java and JavaScript. List out the advantages of JavaScript. 5
- (b) Write a program to display digital clock in a web-page using JavaScript and HTML. 5
6. Define PHP Programming. Explain Session in PHP with syntax. Write a PHP program using Session for user login system. 2+2+6
7. Write the different file opening modes in PHP. Write a program to READ the content of a file "source.txt" and copy its content and paste it into another file "destination.txt". 3+7
- 8(a) Explain MYSQL database. Write a PHP function for connecting database with necessary parameter. 5

(2)

- (b) Write an SQL-query for selecting student name whose name starts with 'S' and having five characters. 2.5
- (c) Write an SQL-query for selecting all female students whose name end with 'a'. 2.5

Roll No	Name	Gender
1	Shiva	Male
2	Sarita	Female
3	Sangita	Female
4	Sanjay	Male

- 9(a) Write a necessary code for content management System (CMS) of a student. An Authorized person can insert student's information, can view, can edit and can delete the student record. CREATE a table 'tbl_student' in database 'db_college'. 10
10. Write short notes on any TWO: 2×5=10
- (a) Domain Registration
- (b) Error handling in JavaScript
- (c) Array in PHP