

2017

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. The marks allotted for each sub-question is specified along its side.

Answer EIGHT questions.

8×10=80

- 1(a) Write a brief history of free and open source software. 5
- (b) Differentiate between proprietary software and open source software. 5
- 2(a) What are web browsers web servers? Explain how does a requested page gets displayed on user's browser. 7
- (b) Write about FTP, HTTP and HTTPs. 3
- 3(a) What is propose of using CSS file? How can you embed a CSC file into an HTML file? Give examples. 6
- (b) Write HTML codes for frames, forms and table. 4
- 4(a) Why is JavaScript considered a very powerful language? Explain. 4
- (b) Write a program to enter a member in a textbox and display its factorial on another textbox when clicked on a button. Write necessary JavaScript code to perform necessary data validation on user input. 6
5. Define PHP and explain its features. Write a PHP program to input n numbers in an array and determine the largest number in the array in descending order. 4+6
- 6(a) How are functions created in PHP programming? Give examples. 5
- (b) Write a PHP program to input a line of text and copy the contents in a data file in upper case. 5
7. Define SQL. Write the syntax of basic SQL commands with examples. 2+8

Contd. ...

(2)

- 8(a) What is session and cookies? How do you create and destroy a session? 6
- (b) Write different types of array with an example in PHP. 4
9. Write short notes on any TWO: 5+5
- (a) Linking documents
- (b) Strengths and weaknesses of FOSS
- (c) Commercial licence verses open source licence

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