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. What is open source software? Explain it with advantages and disadvantages.   3+7

2. Define "free software?. Is it same as "open source"? Can open source software be used for commercial purpose? Explain.   5+5

3. What are the major types of open source software licence? Explain current status of FOSS adoption in Nepal.   6+4

4. Is HTML a necessary for web page development? Justify. Write HTML code, developing for your college/university web site using following features: 3+7

   (a) Scrolling   (b) List   (c) Image

   (d) Linking   (e) Table   (f) Frame

5. What are the techniques which make HTML page a dynamic? Explain CSS with class and DIV tag. .   2+8

6. How is JavaScript used in web page development? Explain advantages of JavaScript.   4+6

7. Explain DOM with its significance. Write a program in JavaScript using form, event and DOM properties.   4+6

8(a) Explain PHP, APACHY and MySQL with its current version.   7

(b) Differentiate between session and cookies.   3

(2)

9(a) Explain different arrays used is PHP with an example.   5

(b) Write a program in PHP to display factorial of a given number. 5

10. Write short notes on any TWO: 5+5
    (a) Database connectivity
    (b) GET and Post method
    (c) Error Handling.

≈