

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2024
(Sixth Semester)

Branch – NETWORKING & MOBILE APPLICATION

FREE AND OPEN SOURCE SOFTWARE

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Which one of the following is not an open source software?
(i) Linux (ii) Windows
(iii) Wikipedia (iv) Apache
- 2 Which statement is functionally identical to printf() except the output is assigned to a string rather than to the browser?
(i) sprintf() (ii) stringp()
(iii) printstring () (iv) printfs()
- 3 The _____ function adds elements on to the front of the array.
(i) array_pop() (ii) array_push()
(iii) array_unshift() (iv) array_shift()
- 4 Which one of the following is not a popular package?
(i) Archive_Tar (ii) PEAR
(iii) Console_Tar (iv) Console_Getopt
- 5 Which is a free, open source content management system that will help you build web sites and other powerful online applications?
(i) Wikipedia (ii) Joomla!
(iii) Mozilla Firefox (iv) Open Office

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a) What are some examples of free software?
OR
b) Write any three differences between open source & close source software.
- 7 a) Explain any two types of variable scope.
OR
b) Choose a short note on Identifiers.
- 8 a) Discuss about creating an array & associative array.
OR
b) Explain with example i) sorting an array ii) sorting an array in reverse order
- 9 a) How do you install PEAR on Linux & Windows?
OR
b) Discuss about power of PEAR with a code for converting current year to Roman number.
- 10 a) Explain for features of Apache.
OR
b) Draw an outline structure of open source teaching method.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

11 a) Analyse the open source principles? Explain any four of them.
OR

b) Elucidate briefly about Copyright.

12 a) List out all types of operators in PHP. Explain any three types of them.
OR

b) What is a conditional statement? List out all types and explain any two types with examples.

13 a) How do you create a function? Explain passing arguments by value and by reference.
OR

b) Explain the following with example i) Merging arrays ii) Combining two arrays
iii) Slicing an array.

14 a) Elucidate about i) Upgrading Packages ii) Downgrading a Package
OR

b) Write a program for creating a simple HTML form and displaying the input data in browser using PHP.

15 a) Describe pros and cons of Linux.
OR

b) Explain in detail about all the requirements which should be satisfied by open source hardware.

Z-Z-Z

END