

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2022
(Sixth Semester)

Branch – NETWORKING AND MOBILE APPLICATION

FREE AND OPEN SOURCE SOFTWARE

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

- 1) The users must agree to the _____ terms and agreements when they use an open source software.
(i) System (ii) License (iii) Community (iv) Programmer
- 2) Which of the following is not 'proprietary' software?
(i) Windows 10 (ii) MAC OSX (iii) Audacity (iv) McAfee
- 3) Which of the following is the default file extension of PHP files?
(i) .php (ii) .ph (iii) .xml (iv) .html
- 4) If \$a = 12 what will be returned when (\$a == 12) ? 5 : 1 is executed?
(i) 1 (ii) 5 (iii) 12 (iv) Error
- 5) _____ is a server-side scripting language that allows your web site to be truly dynamic.
(i) PHP (ii) Java (iii) SQL (iv) ActiveX
- 6) The values assigned to constants are defined with the PHP function _____.
(i) Assign() (ii) define() (iii) Equal() (iv) Store()
- 7) _____ function rounds a decimal up to the next highest integer.
(i) floor() (ii) round() (iii) rand() (iv) ceil()
- 8) PHP is denoted in the page with opening and closing tags as _____.
(i) <?php ?> (ii) ?<php?> (iii) <php> (iv) ?php?
- 9) _____ function sorts the array in descending value.
(i) rsort() (ii) dsort() (iii) sort() (iv) assort()
- 10) _____ return the value of the current element.
(i) pos() (ii) list() (iii) range(low, high) (iv) sizeof()

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a Narrate the principles of open source.

OR

- b Bring out the uses of zero marginal cost with example.

- 12 a Distinguish between the printf() statement and sprintf() statement in PHP.

OR

- b Outline the different types of Superglobal variables in PHP.

Cont...

- 13 a Prepare the steps to invoking a function in PHP.
OR
b Describe the calculating associative array intersections in PHP.
- 14 a Explain the validating and sanitizing data with the filter extension in PHP.
OR
b Summarize the power of PEAR.
- 15 a Analysis the starting and maintaining an open source project.
OR
b State the advantages of Linux operating system.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Compare the free software and open source software.
OR
b Highlights the methodologies of open source.
- 17 a Discuss the various types of scalar data types in PHP.
OR
b Classify the different types of looping statements in PHP.
- 18 a Examine the steps to create an array in PHP with simple example.
OR
b Enumerate the determining array size and uniqueness in PHP
- 19 a Identify the steps to installing and updating PEAR.
OR
b Outline the upgrading packages in PEAR package manager.
- 20 a Analysis the need of open source hardware.
OR
b Categorize the GNU compiler collection.

Z-Z-Z

END