

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BCA DEGREE EXAMINATION MAY 2017
(Sixth Semester)

Branch- COMPUTER APPLICATIONS '

OPEN SOURCE SYSTEMS

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10x2 = 20)

- 1 What do you mean by open source software?
- 2 Why do so many organization use MySQL?
- 3 What will be the output of the given code?

```
<?php
function mygreeting($firstName){
echo "Hello there". SfirstName, " <br />";}
myGreeting("Jack");
myGreeting(" Ahmed") ;?>
```
- 4 What are the concerns of PHP security?
- 5 How to create and assign strings in Python?
- 6 List the file built in methods.
- 7 How do you create the functions in PYTHON?
- 8 Comment on exception objects.
- 9 Define directives. What is the use of it?
- 10 What is virtual host?

SECTION - B (25 Marks!

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5x5 = 25)

- 11 a How will you generate sequences in MySQL without using auto increment? Explain.

OR

 b What are the advantages of using Open sources?
- 12 a What are the components of LDAP? Explain.

OR

 b Write a program in PHP to send and receive e-mails.
- 13 a Explain about Syntax and style in Python.

OR

 b What will be printed, when following Python code is executed?

```
class person:
    def __init__(self, id):
        self.id = id
    arjun = person(150)
    arjun.__dict__['age'] = 50
    print aijun.age + len(arjun._dict__)
```

 Justify your answer.
- 14 a How will you detect and handle errors in Python? Give example.

OR

 b Explain with an example how to create a subclasses in Python.

Cont...

15 a What are the features of a web server? Explain
OR

b Explain the uses of log files provided by Apache software.

SECTION - C (30 Marks!)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

16 Explain about setting up account in MySQL. How will you write your own SQL programs in MySQL?

17 Explain the file handling and data storage in PHP.

18 Write a program for
1. Create and assign lists
2. Access values in lists
3. Update lists
4. Remove list elements and lists using Python.

19 Explain the functions and modules in Python programming.

20 Describe in detail about the configuration of Apache web services.

■ Z-Z-Z END