LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION –COMPUTER APPLICATIONS
FIFTH SEMESTER – APRIL 2019
16UCA5MC01– OPEN SOURCE TECHNOLOGY

Date: 15-04-2019   Dept. No. [   ]   Max. : 100 Marks
Time: 09:00-12:00

PART- A

ANSWER ALL THE QUESTIONS: (10 X 2 = 20)

1. What are the advantages of Open source ?

2. What is cloning?

3. Define MySQL.

4. What is metadata?

5. List out the string functions used in PHP.

6. Define regular expression.

7. What is the use of break statement in python?

8. List out the two built-in functions to read a line of text from standard input in python.

9. Write down the general form of a subroutine definition in Perl programming language.

10. What are the three basic file handles used in perl?

PART - B

ANSWER ALL THE QUESTIONS: (5 X 8 = 40)

11. a) Explain the relationship between Apache, MySQL and PHP.
           (Or)
    b) Explain the kernel mode and user mode of CPU.

12. a) Discuss briefly about the account setting up in MySQL with an example.
           (Or)
    b) Describe in detail about record selection technology.

13. a) Explain the types of arrays used in PHP.
           (Or)
b) Explain how to send e-mail using PHP with all the parameters .

14. a) Discuss in detail about Lists in python with all the operations involved.

(Or)

b) Explain in detail about exceptions in PHP.

15. a) Explain briefly about differenttypes of loops used in perl.

(Or)

b) Explain in detail about the regular expression operators used within Perl.

PART-C

ANSWER ANY TWO QUESTIONS: **(2 X 20 = 40)**

16.a) Discuss in detail about the history and features of Open sources.

b) Define sequence. Explain the characteristics of a sequence with necessary example.

17.a) Elaborate about the MySQL and Web with an example.

b) Explain about the connectivity of PHP and MYSQL using an example and retrieve

the records from the table student in MySQL.

18. a) Explain how classes and Object Oriented Programming are used in Python.

b) Describe about packages and modules in perl.

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