



**Part B**

**5 x 6 = 30**

**Answer ALL questions**

**Each answer should not exceed 400 words or two pages**

- 11.a. Write short notes on arrays in PHP with examples.  
(or)
- 11.b. Demonstrate on PHP script elements.
- 12.a. Examine the data types used in MySQL.  
(or)
- 12.b. Recall how to close a connection in MySQL.
- 13.a. Explain the difference between list and tuples in Python.  
(or)
- 13.b. Illustrate the different types of operators in Python?
- 14.a. Discuss about reading and writing of files in python.  
(or)
- 14.b. Write short notes on opening and closing file in python with examples.
- 15.a. Discuss in detail about the key features of mongo DB.  
(or)
- 15.b. Explain how mongo DB is document oriented with examples.

**Part C**

**5 x 12 = 60**

**Answer ALL questions**

**Each answer should not exceed 800 words or four pages**

- 16.a. Demonstrate on string manipulations and regular expression in PHP.  
(or)
- 16.b. Illustrate in detail about File handling operations in PHP.
- 17.a. Represent how to connect the My SQL with PHP.  
(or)
- 17.b. Experiment how to insert and retrieve data with PHP in MySQL.
- 18.a. Explain the different types of loops in python with example.  
(or)
- 18.b. Discuss in detail about control statements in python with syntax and examples.
- 19.a. Recall how to create class and objects in python with syntax and examples.  
(or)
- 19.b. Explain in detail about overloading and data hiding in python with examples.
- 20.a. Demonstrate on creating and querying through indexes in mongo D B with examples.  
(or)
- 20.b. Explain how to construct queries on data base in mongo D B with example.

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