7639

BOARD DIPLOMA EXAMINATION, (C-20)

OCTOBER/NOVEMBER—2023

DCME – FIFTH SEMESTER EXAMINATION

PYTHON PROGRAMMING

Time : 3 Hours]　　　　　　　　　　　　　　　　　　[*Total Marks* : 80

PART—A　　　　　　　　3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. List applications of Python.

2. Write about If statement with an example.

3. Write the differences between For and While loop statements.

4. What is anonymous function?

5. Define Python Variable.

6. Define Aliasing.

7. Write the various basic list operations.

8. Define exception.

9. List different modes in file opening.

10. Define data abstraction.

PART—B

8×5=40

Instructions : (1) Answer **all** questions.

(2) Each question carries **eight** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. *(a)* Explain various data types in Python with example.

(OR)

(b) List and explain different arithmetic operators supported by Python and their precedence and associativity.

12. *(a)* Write a Python Program to check if number is positive, negative or zero.

(OR)

(b) Explain various Loop statements with examples.

13. *(a)* Explain about Python Arrays.

(OR)

(b) Explain the creation of modules.

14. *(a)* Explain Tuple assignment.

(OR)

(b) Write a Python Program to create dictionary, add element to dictionary and delete element from the dictionary.

15. *(a)* Explain overriding methods with an example.

(OR)

(b) Explain Try except block in Python.

Instructions : (1) Answer the following question.

(2) The question carries **ten** marks.

(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

16. Write a Python Program to multiply all numbers of a list and explain the each statement.

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