BOARD DIPLOMA EXAMINATION, (C-20)

MAY/JUNE—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. Define keyword. Give any two examples of keyword.   1+1+1

2. List any three control statements.   1+1+1

3. Write the syntax for FOR loop in python.

4. Define default arguments.

5. List any three libraries in python.

6. Define set.

7. Define tuple.

8. Write the steps to process a file.

9. List any three compile time errors.

10. Define class.

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 arithmetic and logical operations.

(OR)

(b) Explain input and output statements.

12. *(a)* Explain conditional statements in python.

(OR)

(b) Explain looping statements in python.

13. *(a)* Explain string functions with suitable program.

(OR)

(b) Explain different types of arguments with suitable program.

14. *(a)* Explain list methods with program.

(OR)

(b) Explain dictionary methods with program.

15. *(a)* Explain method overloading and method overriding.

(OR)

(b) Explain data abstraction in python.

PART—C

10×1=10

16. Write a program in python to input a two-digit number and print it in words. For example, if input is 98, the output should be 'nine eight'.

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