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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.

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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

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 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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