

**MASTER OF SCIENCE (BIOINFORMATICS) (CBCS-2019 COURSE)**  
**M. Sc. (Bioinformatics) Sem-III : WINTER :- 2021**  
**SUBJECT: PYTHON PROGRAMMING**

**Day : Wednesday**  
**Date 2/2/2022**

**W-21179-2021**

**Time : 02:00 PM-03:30 PM**  
**Max. Marks: 30**

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Answers to both the sections should be written in **SAME** answer book.
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**SECTION-I**

**Q.1** Attempt any **SEVEN** of the following: **(07)**

- a) Write down the advantages of python function.
- b) Use for loop to print the items of the dictionary by using items ( ) method.
- c) Why python called interpreted language?
- d) What is the full form of PIP?
- e) What do you mean by script file?
- f) Write down the name of platforms where you can run python code?
- g) What is function?
- h) Write a program to print the table of the number 5.

**Q.2** Attempt any **TWO** of the following: **(08)**

- a) Explain python set operations.
- b) Explain some libraries of python.
- c) Explain python Data types?

**SECTION-II**

**Q.3** Attempt any **SEVEN** of the following: **(07)**

- a) How you can create dictionary in python?
- b) How you can create function without return statement?
- c) Write down the characteristics of tuples?
- d) Why python called cross platform?
- e) How you can open a file in python?
- f) What is constructor in python?
- g) What is the use of continue and break?
- h) How can you reverse the list?

**Q.4** Attempt any **TWO** of the following: **(08)**

- a) Explain python inbuilt function.
- b) Explain exception handling.
- c) Differentiate between list and tuples.

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