

**2021**

**BCA**

**[HONOURS]**

**(CBCS)**

**(B.Sc. Third Semester End Examinations-2021)**

**PAPER-SEC1T**

**Full Marks: 20**

**Time: 02 Hrs**

*The figures in the right hand margin indicate marks*

*Candidates are required to give their answers in their own words as far as practicable*

*Illustrate the answers wherever necessary*

- 1. Answer any two questions of the following: 2x2= 4**
- What is data type?
  - Write down the acronym of IDLE.
  - What are the difference between Mutable and Immutable variables?
  - What is the purpose using type ( )?
- 2. Answer any four questions of the following: 4x4 = 16**
- Write down the ruler of naming of a variable in python.
  - What is list? How many ways are there to create an empty list in python? Write down the ways.
  - What is the python programming language. What are the features of python programming language?

(2)

- d) Write a python program to find factorial of any number?  
Mention output / Result according to your program.
- e) Explain input and output function in python with an example.
- f) Discuss about 'while'- loop with syntax and suitable programming code.

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