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B.Sc. RNLKWC-/SEC 2T/22

2022

**PROGRAMMING IN PYTHON**

**B.Sc. Fourth Semester End Examination - 2022**

**PAPER -SEC 2T**

*Full Marks : 40*

*Time : 2 hours*

*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.*

**Group - A**

**Answer any one.**

**1×20**

1. What is a variable? What are the rules and conventions of declaring a variable? Explain any five arithmetic operators in Python. What do you mean by a tuple in Python? How do we implement if condition in Python? Explain with an example.

**2+3+5+3+7**

*(Turn Over)*

( 2 )

2. Define function. What do you mean by default argument? Explain the difference between formal and actual parameters with suitable example. Differentiate between local and global variable. Briefly explain about nested loop.  
2+3+6+4+5
3. What are the basic elements of a flowchart? Briefly explain the concepts of 'list' and 'dictionary' in Python with suitable examples. Discuss how break and continue statement works inside a loop.  
5+8+7