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GF—15—2023

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (CS) (Third Year) (Fifth Semester) EXAMINATION

APRIL/MAY, 2023

(CBCS/Revised Pattern)

COMPUTER SCIENCE

Paper CS-502

(Python)

(Monday, 24-4-2023)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—75

N.B. :— (i) Attempt *all* questions.

(ii) Figures to the right indicate full marks.

1. Attempt any *five* of the following : 15

- (a) Explain the step of installing Python on windows.
- (b) Write a program in Python to find the sum of natural numbers.
- (c) Explain mathematical function with examples.
- (d) Write a program in Python to print the element of an array in reverse order.
- (e) Explain web using flask.
- (f) Write a Python program to convert a list to string method.
- (g) Explain error processing in Python.

P.T.O.

2. Attempt any *three* of the following : 15
- (a) Explain features of Python.
 - (b) Write a program in Python function to display calander.
 - (c) Explain data types in Python.
 - (d) Differentiate between list and tuple.
 - (e) Explain loops with example.
3. Attempt any *three* of the following : 15
- (a) What is Modules ? Explain packages ?
 - (b) Define function. Explain function and arguments.
 - (c) Explain the concept of CSU/Excel file in Python.
 - (d) Write a program in Python to demonstrate the use of default argument.
 - (e) How to create dictionary in Python ?
4. Attempt any *three* of the following : 15
- (a) What is inheritance ? Explain types of inheritance.
 - (b) Explain data structure in array.
 - (c) Write a program in Python to check whether a number is even or not.
 - (d) Explain the concept of mysql for Python.
 - (e) Explain variable with an example.

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5. Write short notes on any *three* :

15

- (a) Polymorphism
- (b) Correcting with database
- (c) OOPs
- (d) Exception Raising
- (e) Set.

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