

(Or)

8. What is Date module ? Explain five functions with examples used in Date module.

(Or)

9. Describe the need for catching exceptions using try and except statements also explain multiple except blocks used in exception handling with example.

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Roll No.

Paper Code – BCA 3001

BCA 2nd Year (Semester-III) EXAMINATION, 2023-24

PYTHON PROGRAMMING

PAPER-I

Time : Two Hours]

[Maximum Marks : 75

K-004

Note- This paper consists of three Section A, B and C. Carefully read the instructions of each Section in solving the question paper. Candidates have to write their answers in the given answer-copy only. No separate answer-copy (B Copy) will be provided.

Section-A

(Short Answer Type Questions)

Note- All questions are compulsory. Answer the following questions as short answer type questions. Each question carries 5 marks.

1. (A) What is python interpreter ?
(B) List the standard data types in python.

3. Explain Tuples and Unpacking Sequences in Python Data Structure with examples.

(Or)

4. What is looping in python ? Write a program to print the sum of the following series $1 + \frac{1}{2} + \frac{1}{3} + \dots + \frac{1}{n}$.

(Or)

5. Illustrate *args and **kwargs parameters in Python programming language with an example.

Section-C

(Long Answer Type Questions)

Note- This section contains four questions from which **one** question is to be answered as long question. Each question carries 15 marks.

6. Explain about functions in python ? Explain the type of arguments used in python function.

(Or)

7. How to create and import a module in python ? Explain in detail with example.

- (C) Give the features of python set.
(D) Write a program to print all prime numbers from 1 to 100.
(E) What is docstring ?
(F) What are the methods that are used in Python Tuple ?
(G) What is module and package in Python ?
(H) Write a simple program which illustrates Handling Exceptions.
(I) How to print today date ?

Section-B

(Long Answer Type Questions)

Note- This section contains four questions from which **one** question is to be answered as long question. Each question carries 15 marks.

2. Discuss list and dictionary data structure with example for each. Write a python program to accept n numbers and store them in a list. Then print the list without ODD numbers in it.

(Or)