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BACHELOR OF COMPUTER APPLICATIONS (B.C.A.)/
SPECIALIZATION IN CYBER SECURITY (CS)

EXAMINATION: MAY - 2024
SEMESTER - V

Sub: Python (BCA -541-18/BCA-541-20/BCA-CS-541-20)

Date :22/05/2024

Total Marks : 60

Time: 2.00 pm to 4.30 pm

Instructions:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labeled diagrams wherever necessary.

Q.1. Fill in the blanks. (05)

1. _____ is correct variable declaration.

a) name = "A"	b) Name = "B"
c)naMe = "C"	d)All above
2. _____ character is used to make a single-line comment in Python.

a) #	b) *
c) “	d) /
3. _____ keyword is used for function definition in Python.

a) function	b) fun
c) create	d) def
4. To print the value of a variable named "x" in Python, use _____.

a) print(x)	b) printf(x)
c) print("x")	d) All Above
5. _____ is the correct syntax for adding an element to the end of a list named "numbers" in Python.

a)numbers.add(5)	b) numbers.append(5)
c) numbers += [5]	d) all of the above

Q.2. State True/False. (05)

1. There are two ways in which we can run python code.
2. The as keyword used to rename the module.
3. List is an immutable data type.
4. Type conversion means convert values from one data type to another data type.
5. The pass statement is used as a placeholder for future code.

Q.3. Answer the following. (Solve any 5) (10)

1. Differentiate between Interactive mode and Script mode.
2. Write a python program to print length of a string.
3. Explain Is and Is Not operator in Python.
4. Explain inheritance in python.
5. Define Arbitrary Arguments.
6. Define Anonymous Functions.

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. What is list? Explain the various list functions in python.
2. Write a Python program that defines function to calculate area of Circle.
3. Write python code to add two tuples together.
4. Explain Set in Python.
5. What is inheritance and how is it used?
6. Write a program which will print sum of all elements in the given list.
7. Explain pop() and popitem() methods in python.

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Write a python program to copy all odd lines of ABC.TXT in ODD.TXT and even lines in EVEN.TXT.
 2. Write a python program to insert row in EMP table (Eno, Ename, and Salary) of HR database.
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