CBCS SCHEME

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18NT56

Fifth Semester B.E. Degree Examination, Feb./Mar. 2022
Nano-Python Programming Language for Automation

Time: 3 hrs.   Max. Marks: 100

Note: *Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

1 a. Mention different modes of programming. Explain script mode programming in detail with example. **(10 Marks)**
   b. Explain the concepts of multiple statements on a single line, multiple statement group as suites and command line arguments in brief. **(10 Marks)**

OR

2 a. Explain parsing command line arguments, with valid syntax, explain getopt.getopt method details in brief. **(10 Marks)**
   b. Discuss the concepts of multiline statements Quotation in python and comments in python in brief. **(10 Marks)**

Module-2

3 a. Assume the variables and write a program related to python assignment operators including all the operations. **(10 Marks)**
   b. Mention the order of precedence of operators from highest to lowest and also write a program for operator's precedence including all the operators. **(10 Marks)**

OR

4 a. Mention the different types of operators, description and suitable examples related to python 'Logical and bitwise operators'. **(10 Marks)**
   b. With suitable variable write a program related to Python Arithmetic operators including all the operations. **(10 Marks)**

Module-3

5 a. Explain the concept of single statement suites and pass statements related to decision making and loop control statements respectively. **(10 Marks)**
   b. With suitable program explain the concept of using else statement with loops related to for loop. **(10 Marks)**

OR

6 a. With valid syntax, flow diagram and program explain the concept at if else statement in decision making. **(10 Marks)**
   b. Write a program to explain the concept at elif statement in decision making with valid syntax. **(10 Marks)**

Module-4

7 a. Discuss the operators' functions of string special operation and string formatting operator in detail. **(10 Marks)**

b. Write a program for the given syntax and tabulate the results.
   (i)   Expandtabs(tabsize = 8)
   (ii) Find(str, beg = 0 end = len (string)) **(10 Marks)**

OR

8 Write a program for the given syntax with valid results.
   i)   Str.isalpha( )
   ii)   Str.isdigit( )
   iii) isnumeric( )
   iv)   islower( ) **(20 Marks)**

Module-5

9 a. Explain in brief about built in a tuple functions and methods, Indexing and slicing. **(10 Marks)**

b. Define python tuples and write a program to explain the concept of accessing, updating and deleting tuple elements. **(10 Marks)**

OR

10 Explain the given Syntax below with one example program each
   i)   list.Remove(obj)
   ii)   list.reverse( )
   iii) list.count(obj)
   iv)   list.extend(seq) **(20 Marks)**

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