Roll No. ....

5 Sem., Branch : Comp
Subject : Computer Programming Using Python

Time : 3 Hrs.   M.M. : 100

SECTION-A

Note: Multiple type Questions. All Questions are compulsory.   (10x1=10)

Q.1   What is the output of the following statement in python print ("Hello, World!")

a)   Hello world   b) Hello world!

c)   Hello, world   d) Hello, World!

Q.2   Is Python case sensitive when dealing with identifiers?

a)   No   b) Yes

c)   Machine Dependent d) None of the mentioned

Q.3   Python is a_____.

a)   Debugging tool   b) Programming tool

c)   Software   d) Programming Language

Q.4   What will be the output of the following Python code?

```
X = ('mn ',oh')
for I in X :
      i.upper ()
Print (X)
```

a)   ['mn', 'oh']   b) ['MN', 'OH']

c)   [None, None]   d) None of the mentioned

Q.5   What will be the output of the "X" + "YZ" Python statement?

a)   X   b) YX

c)   YZX   d) XYZ

Q.6   Which of the following statements create a dictionary?

a)   d = {}

b)   d={"Harry":23, "Peter":45}

c)   d={40: "john", 45: "peter"}

d)   All of the mentioned

Q.7   Suppose d = {"John", 40, "peter": 45} to delete the entry for "john" what command do we use?

a)   d.delete ("johnb":40)

b)   d.delete ("john")

c)   del d["john"]

d)   del d("John":40)

Q.8   Which keyword in used for function?

a)   Fun   b) Define

c)   Def   d) Function

Q.9   What will be output of "round (4.676)" Python expression?

a)   4.5   b) 5

c)   4   d) 4.6

Q.10   Suppose t = (1, 2, 3, 4), which of the following is incorrect?

a)   Print (t[3])   b) t[3]=45

c)   print(max(t))   d) print (len(t))

Section-B

Note: Objective type questions. All questions are compulsory. **(10x1=10)**

Q.11 Write examples of mutable and immutable data types in python.

Q.12 Create a dictionary containing three vegetables with their price.

Q.13 What does abs () function do?

Q.14 Define get() method w.r.t. dictionary.

Q.15 Default mode of opening file in python is _____.

Q.16 How to import a module in python?

Q.17 The default data type of input () method is _____.

Q.18 _____ is the package manager for python packages.

Q.19 _____ block lets you test a block of code for errors.

Q.20 To delete a file you must import _____ module and run _____ function.

Section-C

Note: Short answer type Question. Attempt any twelve questions out of fifteen Questions. **(12x5=60)**

Q.21 What are string operators? Explain any three string functions.

Q.22 What is indentation in python? Demonstrate indentation using nested if else.

Q.23 What is list? Take a list and perform insert (), append(), reverse() methods and show output.

Q.24 What is a function in python? How to pass parameters to a function if exact number or parameters to be passed is not known.

Q25 What is the difference between a error and exception? What are different types of exceptions in python?

Q.26 What are various operator in python.

Q.27 Explain the use of map() function.

Q.28 What is tuple? How to find size of a tuple?

Q.29 What is scope in python?

Q.30 Write key benefits of python over C, C++.

Q.31 How to write single line and multiline comment in python.

Q.32 What is the use of range () function?

Q.33 How to generate random numbers in python? Give example.

Q.34 What is _____init_____() in python? Give example.

Q.35 What is slicing in python? Give example.

Section-D

Note: Long answer questions. Attempt any two question out of three Questions. **(2x10=20)**

Q.36 What are various data types in python? What are various operations performed on each?

Q.37 What are various looping statements in python? Give example of each.

Q.38 What are various file access modes in python? Give description of each mode.