Roll No. ....

5th Sem / Branch : Computer Engg.
Sub.: Computer Programming Using Python

Time : 3Hrs.   M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (10x1=10)

Q.1   Who developed python?   (CO1)
a)   Guido Van Rossum   b)   Mir Roser
c)   Van De Cliff   d)   None of above

Q.2   What do we use to define a block of code in Python language?   (CO3)
a)   Key   b)   Brackets
c)   Indentation   d)   None of these

Q.3   How to get the total length of Tuple in Python?
                                                (CO2)
a)   Count () method   b)   Length () method
c)   Len () method   d)   None of the above

Q.4   How to get the type of a variable in Python?   (CO1)
a)   Print (typeOf (a))   b)   Print (typeof (a))
c)   Print (type(a))   d)   None of the above

Q.5   Which one of the following is the correct way of calling a function?   (CO5)
a)   fun_name ()   b)   Call fun_name ()
c)   ret fun_name ()   d)   function fun_name ()

Q.6   Which of the following is not a core data type in the python language?   (CO4)

a)   Dictionary   b)   Lists
c)   Class   d)   All of the above

Q.7   Which of the following blocks allows you to test code blocks for errors?   (CO7)
a)   Except block   b)   Try block
c)   Finally block   d)   None of the these

Q.8   Which of the following is not the function of standard module TIME.   (CO6)
a)   Time ()   b)   cTime ()
c)   Sleep ()   d)   Log ()

Q.9   Which of the following is not quantifier in python regular expression.   (CO10)
a)   *   b)   +
c)   ?   d)   //

Q.10   Which of following is not related with OOPS. (CO9)
a)   Object   b)   Method
c)   Class   d)   Try

SECTION-B

Note: Objective type questions. All questions are compulsory.   (10x1=10)
Q.11   IDLE stands for _____.   (CO1)
Q.12   Placeholders are used with __ string method. (CO2)
Q.13   Define break statement in python.   (CO3)
Q.14   ____ method is used to write multiple lines to a file?
                                                (CO8)
Q.15   Len (tuple) function returns_____.   (CO4)
Q.16   Write syntax to define a function in python.   (CO5)
Q.17   In python, the expression "(2<3) and (2<5) evaluates to _____. (True/False)   (CO3)

Q.18 _____ functions is used to suspend the program execution for specific time. (CO6)

Q.19 Write name of any two exceptions in python. (CO7)

Q.20 _____ special character searches substring in the given expression form the beginning and end. (CO10)

SECTION-C

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

Q.21 What are various modes of working with python? (CO1)

Q.22 Briefly explain any five string functions/methods in python. (CO3)

Q.23 Explain if _____ elif_____ else statement in python with example. (CO3)

Q.24 Explain with example various operations (union, intersection, difference) to be performed on sets. (CO4)

Q.25 Explain the use of map () function with example. (CO5)

Q.26 Explain various types of errors in python. (CO7)

Q.27 Explain the process of opening and closing a file in python. (CO8)

Q.28 Differentiate between procedural and object-oriented programming. (CO9)

Q.29 Briefly explain various quantifiers in python. (CO10)

Q.30 Explain the use of special characters in regular expressions. (CO10)

Q.31 Explain the process of calling functions with and without keyword arguments. (CO5)

Q.32 What is exception. How it is handled in python. (CO7)

Q.33 Explain the concept of for loop with example in python. (CO3)

Q.34 Write a program of find the largest of three no's using if statement. (CO3)

Q.35 Differentiate between deep copy and shallow copy. (CO4)

SECTION-D

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

Q.36 What is list? How it is created, accessed and updated in python. (CO4)

Q.37 What are classes and objects. How they are created in python. Explain with the help of example. (CO9)

Q.38 Write short note on any two:-
   a) Exception hierarchy
   b) Lambda function
   c) While loop

Note: Course Outcome (CO) mentioned in the question paper is for official purpose only.