Shivaji University, Kolhapur.
B.Sc. Part-III (Semester- VI) Examination March / April 2022.
Subject – Computer Science. Paper-XVI.
Title: Python Part-II,
Subject Code-81719.

Q 1. Fill in the blanks and rewrite it (Each 1 mark)

1. To open a file c:\scores.txt for reading, we use _____

   a) infile = open("c:\scores.txt", "r")
   b) infile = open("c:\\scores.txt", "r")
   c) infile = open(file = "c:\scores.txt", "r")
   d) infile = open(file = "c:\\scores.txt", "r")

2. Which function open file in python?

   a. open( )
   b. new( )
   c. Open( )
   d. None of the above

3. Which mode creates new file if the file does not exist?

   a. write mode

   b. append mode

   c. Both write and append

   d. None of the above

4. Which function is used to write data in binary mode?

   a) write
   b) writelines
   c) pickle
   d) dump

43. Which of the following best describes inheritance?

a) Ability of a class to derive members of another class as a part of its own definition
b) Means of bundling instance variables and methods in order to restrict access to certain class members
c) Focuses on variables and passing of variables to functions
d) Allows for implementation of elegant software that is well designed and easily modified

44. Overriding means changing behaviour of methods of derived class methods in the base class.
a) True   b) False   c) May be true   d) None of these

45. What is data hiding ?

a) It is related with hiding internal object details
b) It is related with showing internal object details
c) It is related with datatypes
d) None of above

Q.2 Attempt any two of the following.   **(8 mark each)**

1. Explain function and module with suitable example
2. What is a function? Mention the type of function and use.
3. Explain calling to function. Write a program to return multiple values from a function.
4. What is function? Explain lambda function with suitable example.
5. How to import a module? Explain math module with its all functions.
6. What is composition? Differentiate composition and inheritance with example.
7. What is package? Explain how to create and access package with example.
8. What is a file object? Write a python program that counts the number of words in a file.
9. Explain in detail about Python Files, its types, functions and operations that can be performed on files with examples.
10. Describe about Handling Exceptions in detail with examples.
11. What is inheritance? Explain types of inheritance in python.
12. Explain object oriented concepts in python?
13. Differentiate between method overloading and method overriding.
14. What is class? What are 'access specifiers'?
15. What is a constructor? Explain types of constructors