1129
B.E. (Information Technology)
Fifth Semester
IT-505C: Python Programming

Time allowed: 3 Hours   Max. Marks: 50

NOTE: *Attempt* <u>*five*</u> *questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.*

x-x-x

I.   Answer the following:-
   a) Discuss the importance of encapsulation?
   b) What is _init_ in python?
   c) Differentiate between List and Tuple.
   d) What is the purpose of read() and readline() functions?
   e) How can multiple rows be added in a table?   (5x2)

UNIT – I

II. a) Explain the different string formats available in Python with examples?

   b) Demonstrate the use of break and continue keywords in looping structures using examples.   (2x5)

III. a) Write a program to find the words starting with a vowel from a given file.

   b) What is the syntax of seek() function? Also discuss the application of seek function.   (6,4)

IV. a) How dictionary is created in python? Discuss different method that you can use on dictionary.

   b) Write a program to display the Fibonacci sequences up to nth term where n is input by the user.   (2x5)

UNIT – II

V.   a) What is exception? How can you handle exception in pythons?

   b) Write a program to overload "+"and "-" operators.   (2x5)

VI. a) What is Inheritance? Discuss different type of inheritance

   b) How database is created in SQL and also write a code for connecting database in Python.   (2x5)

VII. Write a short on:-
   a) Reading and storing information on database
   b) Regular Expression   (2x5)

x-x-x