

B.Tech III Year 5th Semester

Year(2022)

Branch ECE

Subject : Python

Class test : Final exam

Time : 3Hour

M.M : 90

Note : Attempt All question

1: (a) Answer the following questions (very short answer): (5x2=10)

- (i) What type of language is python ? Programming or scripting?.
- (ii) Python an interpreted language. Kindly explain.
- (iii) What are Dict and List comprehensions.
- (iv) What are functions in python?.
- (v) What is __int__?

2: Answer the following questions (short answer): (5x3=15)

- (a) What is the difference between list and tuples in python.
- (b) What are key features of python?
- (c) What are the benefits of using python?.
- (d) What are decorators in Python?
- (e) What python namespace?

3: Part(a) is compulsory and attempts any one of part (b) or part (c):

- (a) What is slicing in python? (5)
- (b) What are keywords in python?. (8)
- (c) Program to find max number in the list.

4: Part(a) is compulsory and attempts any one of part (b) or part (c):

- (a) What are the new features added in python 3.9.0.0 version? (5)
- (b) Program to count frequency of given number. (8)
- (c) Program to search a number in the list. (8)

5: Part(a) is compulsory and attempts any one of part (b) or part (c):

- (a) Explain local variables and global variables in python with suitable example. (5)
- (b) Program to count total number of odd and even numbers in the list. (8)
- (c) Find total number vowels and consonant in given string.

6: Part(a) is compulsory and attempts any one of part (b) or part (c):

- (a) What is the difference between Python Arrays and lists? (5)
- (b) Write program in python to check if a sequence is a palindrome. (8)
- (c) Write a program to produce Fibonacci series in python.

3: Part(a) is compulsory and attempts any one of part (b) or part (c):

- (a) How does break, continue and pass work? (5)
- (b) Write a program in python to check if a number is prime. (8)
- (c) Write a program in python to produce star triangle.