

M. Sc. DEGREE EXAMINATION, APRIL 2015
BIOINFORMATICS
SECOND SEMESTER

COURSE : INDEPENDENT
PAPER : PYTHON
TIME : 3 HOURS

MAX. MARKS: 100

SECTION-A

Define the following

(30 x 1 =30 MARKS)

1. Comment on python.
2. List the benefits of biopython.
3. Write the difference between function and procedure.
4. Write about the order of evaluation.
5. Define function in python.
6. Comment on NLP.
7. What will be the output of the following .py script?
>>> "hello".upper()
8. In python, # symbol denotes _____.
9. Define python module
10. Write the output of the program
def greet(name):
print 'Hello', name
greet('A')
greet('B')
greet('C')
11. Write down the output of the program
bool = True
name = "Nancy"
age = 26
pi = 3.14159
print(name + ' is ' + str(age) + ' years old.')
12. How to assign values to variables in python?
13. Comment on python strings
14. Mention five data types in python.
15. How do you define python numbers?
16. Comment on clustering.
17. Comment on local alignment.
18. Write about object oriented programming

19. Write about for loops in python.
20. Comment on reading a fasta format in python.
21. Write about inheritance in python.
22. Mention a few applications in text mining.
23. Comment on text analytics processes.
24. Write down the applications of python.
25. Mention the latest version of python.
26. What do you understand by PyGTK tool?
27. What is python good for?
28. Have any significant projects been done in Python?
29. How stable is Python?
30. What is a method in python?

SECTION-B

Answer any TWO questions

(2 x10 = 20 MARKS)

31. Discuss the concept of of python programming.
32. Write about the importance of python in bioinformatics.
33. Mention the control statements in python.
34. Write the graphics program using python scripts.
