Exam. Code : 206602
Subject Code : 4786

M.Sc. Bioinformatics 2nd Semester

PROGRAMMING IN PERL AND PYTHON FOR BIOINFORMATICS

Paper : BI-522

Time Allowed—2 Hours] [Maximum Marks—75

Note :— There are ***eight*** questions of equal marks. Candidates are required to attempt any ***four*** questions.

1. How can you run PERL program in windows and linux environment ?

2. (a) Which are different types of operators in PERL ?

   (b) What is difference between array and hash in PERL ? Give examples. How can you create and access hash values in PERL ?

3. Explain following in PERL :

   (a) Meta symbols

   (b) Hashes

   (c) Subroutine.

4. Explain any five applications of PERL for bioinformatics.

5. (a) Which are various data types available in Python ?

   (b) Explain the concept of exception handling in Python.

6. Explain the use of list, tuple, string and dictionary in Python. Give examples of each.

7. What is object oriented programming ? How can you create a class in Python ? What is difference between class and object ?

8. Explain tkinter and SVG in Python.