

Exam.Code:0044

Sub. Code: 1015

1058

B.Sc. (Hons) Bio-Informatics

Sixth Semester

BIN-6001: Introduction to Perl Programming

Time allowed: 3 Hours

Max. Marks: 60

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

x-x-x

I. Attempt the following:-

- a) How are statements terminated in Perl? Discuss in brief.
- b) How UNTIL loop is used? Briefly discuss its syntax.
- c) How does Perl pass command-line arguments to a Perl script? Discuss in brief.
- d) What is meant by a global search? Discuss in brief.
- e) What is a filehandle? Briefly discuss its concept.
- f) What do you understand by HTML? What is its utility? (6x2)

UNIT - I

II. a) Compare the features of Perl with Java.

b) Write a Perl script to find the greatest of three numbers. (6,6)

III. Demonstrate the use of following functions with the help of suitable examples:

Sort, splice, push, grep, sleep, exists. (12)

IV. a) How functions are defined and called in Perl? Write a function to find the number of odd elements in an array. Appropriately assume any required information yourself.

b) What are the relational operators available in Perl? Discuss in brief.

c) Discuss the use of UNLESS statement with the help of an example. (6,3,3)

UNIT - II

V. a) What are the applications of regular expressions? Briefly discuss important pattern matching operators.

b) What is the use of substr, chomp and reverse functions? Discuss with the help of suitable examples. (6,6)

P.T.O.

(2)

VI. a) Write a program in Perl to copy the content of a text file to another text file. Appropriately assume any required information yourself.

b) What is TCP/IP? What role it plays in Internet Applications? Discuss. (6,6)

VII. a) What is CGI? How does it relates to HTML? Discuss the general architecture of CGI applications with the help of a diagram.

b) How HTML form can be used to get information from the user and send it to the server? Discuss with the help of an example. (6,6)

x-x-x