

**End Semester Examinations - 2015-16 Even Semester - May 2016**

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**15CS3002 PERL Programming for Biological Applications**

**Set B**

**Time : 3 hrs**  
**Total Marks: 100**

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1. Discuss about the different properties of file obtained using the stat function.

**OR**

2. a. What are regular expressions?  
b. Discuss about different character classes in regular expression.

3. a. What is hash?  
b. Design a hash table and show how to access different elements of hash table?

**OR**

4. a. What are file handlers used for?  
b. What are different file handling options provided in PERL?

5. a. What are subroutines?  
b. How to invoke a subroutine by passing an argument to it?  
c. Design the subroutine so as to obtain the return value to calling function.

**OR**

6. With proper example explain the working of  
a. if  
b. ifelse  
c. ifelseif

7. Using the Socket module build the sending and receiving program. Give the detailed explanation for the working of program.

**OR**

8. Discuss the steps for generating report using PERL with suitable example.  
9. Discuss in detail about Bioperl. Write a bioperl program to perform a biological task.
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**Wishing you All the Best**

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