

**BACHELOR OF COMPUTER APPLICATIONS (Revised)  
(BCA)**

**Term-End Practical Examination**

**June, 2015**

**BCSL-056(P)/S1 : NETWORK PROGRAMMING AND ADMINISTRATION LAB**

*Time : 1 Hour*

*Maximum Marks : 50*

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**Note :** *There are two compulsory questions carrying 20 marks each. Remaining 10 marks are for viva-voce.*

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1. Write and run a TCP Client and a TCP Server program using 'C' language in Unix/Linux operating system as per the following specifications : 20
  - Client will send a text string to the Server.
  - Server will check whether the string is a palindrome or not. Result will be send to the respective Client.
  
2. Create a user in the guest group in Linux. Add another user in another group. Assume both want to write on a same file "Abc.txt". Create an optimal file permission for this file. 20