

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

**Term-End Practical Examination**

**December, 2014**

**BCS-061(P)/S3 : TCP/IP PROGRAMMING**

*Time : 2 Hours*

*Maximum Marks : 30*

*(Weightage : 15%)*

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- Note :** (i) There are **two compulsory** questions, carrying 10 marks each.  
(ii) 10 marks are for viva-voce.
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1. Write and run a TCP Client and TCP Server program in C language in Unix/Linux as per the following specifications : 10
  - TCP Client will send an array of 10 characters to the Server.
  - Server will return the reverse order of the array to that Client.
  
2. Run the following commands in Unix/Linux and show/write their output : 10
  - (a) route
  - (b) ping
  - (c) telnet
  - (d) grep