

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

00138

**Term-End Practical Examination**

**June, 2017**

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

*Time : 2 Hours*

*Maximum Marks : 30*

*(Weightage : 15%)*

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**Note :** *There are two compulsory questions. Marks are indicated against each question. Rest 10 marks are for viva-voce.*

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1. Write the Unix command(s) for the following operations (Also, verify the results) : 5
  - (a) Find the subnet mask and physical address of a machine.
  - (b) Find all files in a directory, which have number/digit in their name.
  
2. Write and run a UDP client and a UDP server program using C language in Unix as per the following details : 15
  - A UDP client will send a text string to the server.
  - Server will reverse the string and send back to the respective client.