

112163

No. of Printed Pages : 2

BCSL-056/S2

**Bachelor of Computer
Application (Revised) (BCA)
Term-End Examination
December, 2018**

**NETWORK PROGRAMMING AND
ADMINISTRATION LAB**

Time : 1 Hour

Maximum Marks : 50

-
- Note :**
- (i) There are *two* compulsory questions of 20 marks each.
 - (ii) Rest 10 marks are for viva-voce.
 - (iii) Make suitable assumptions if any.
-
-

1. Write and run a UDP client and a UDP server using C-language in Unix/Linux for performing the following tasks : 20
 - (a) Establish a UDP connection between a UDP client and a UDP server.
 - (b) UDP client will send two variables a and b with values 15 and 20 respectively.
 - (c) The server program will swap the values of these variables i. e., a will have 20 and b will be assigned to 15 and return it to the client.

2. Write the commands to perform the following tasks : 20
 - (a) Does a DNS query for the user (i. e. find out IP address for a particular system or system name).
 - (b) To ensure that a network connection can be established with a remote system or test whether a network connection is good or not.