

No. of Printed Pages : 2 **BCSL-056(Set-II)**

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

Term-End Practical Examination

December, 2024

**BCSL-056(Set-II) : NETWORK PROGRAMMING
AND ADMINISTRATION LAB**

Time : 1 Hour

Maximum Marks : 50

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

1. Write and run a UDP client and UDP server using C-language in Unix/Linux environment to perform the following tasks : 20
 - (a) Establish a UDP connection between UDP client and UDP server.
 - (b) UDP client will send two variables a and b with values 15 and 20 respectively, to the UDP server.
 - (c) The UDP server receives and swap the values of variable a and b, and return the variables to client.

2. Write commands to perform the following tasks : 20

- (a) Do a DNS query for the user (i.e. to 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.

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