

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

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

Term-End Practical Examination

December, 2024

**BCSL-056(Set-III) : 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 a UDP server program 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) A UDP client will send a string to the UDP server.
 - (c) The UDP server program counts the number of vowels in the string and return the value to the client.

[2]

2. Write commands to perform the following tasks :

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- (a) Display all connections including TCP and UDP and multicast connections as well
- (b) To enable authentication for a single user mode on Linux

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