

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

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

Term-End Practical Examination

December, 2024

**BCSL–056(Set-I) : 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 TCP client and a server program using C-language in Linux/Unix environment to perform the following tasks : 20
 - (a) Establish a TCP connection between TCP client and TCP server.
 - (b) The client program sends two strings to the server.
 - (c) The server program returns 'YES' if both strings are equal and 'NO' if both strings are not equal.

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2. Write the commands to perform the following tasks : 20

- (a) To provide information about network interfaces and all assigned IP addresses.
- (b) To provide a list of all routers your connection cross when reaching out a remote system.

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