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BCSL-056/S1

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 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 a TCP client and a TCP server.

   (b) The client program sends two strings to the server.

   (c) The server program returns 'YES' if both the strings are equal and 'NO' if both are not equal.

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 to a remote system.

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