

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

**NETWORK PROGRAMMING AND
ADMINISTRATION LAB**

Time : 1 Hour

Maximum Marks : 50

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- 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.
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1. Write and run a TCP client and a TCP server program in 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) A TCP client program will send the following numbers :
5, 10, 2, 4, 7, 3
to the server program.
 - (c) A TCP server will sort the numbers in descending order.
2. Write the command(s) to perform the following tasks : 20
 - (a) Checking the status of destination host and communication with another host name.
 - (b) Finding host/domain name and IP address.