SET-1

BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

00971

December, 2013

BCSL-056: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time allowed: 1 hour

Maximum Marks: 50

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

- 1. Write and run a client and a server program using C- language in UNIX with the following specification:
 - A UDP client will send a string to the server.
 - Server will check the string, whether it is palindrome or not.

If 'yes' server will sent "1" else "0" to the client.

Configure a remote server and transfer a directory to Remote Server in Linux.
 Demostrate step by step procedure.

SET-2

BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

01951

December, 2013

BCSL-056: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time allowed: 1 hour Maximum Marks: 50

Note: There are two compulsory questions, 20 marks each. 10 marks are for vive-voce.

- 1. Write and run a client and a server program using C language in Unix as per the 20 following specifications:
 - A TCP client program will establish a connection and send a text string to the server.
 - A TCP server will accept the string and send back the sum of ASCII values of each character in the string.
- Write down the UNIX/LINUX Command for the following operations: (verify the results)
 - (a) Find the subnet marking and physical address of a machine in Unix/Linux.
 - (b) Enable authentication for single-user mode on Linux.

SET-3

BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

01814

December, 2013

BCSL-056: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time allowed: 1 hour Maximum Marks: 50

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

- 1. Write and run a client and a server program using C language in UNIX, with the following suggestions:
 - A UDP Client program should send 3 numbers to the server.
 - UDP server should send back the largest among the 3 numbers to the respective client.
- 2. Run the following commands on Linux and show/write their outputs.
- 20

- (a) IP config
- (b) verifier
- (c) diskperf
- (d) n slookup

SET-4

BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

00755

December, 2013

BCSL-056: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time allowed: 1 hour Maximum Marks: 50

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

- 1. Write and run a client and a server program in C language using TCP in UNIX. The client should send two strings (String 1 and String 2) to the server. The server must append to string 2 to sting 1 and send the find the client. Finally client will print the result.
- Create and Configure Samba Server in Linux. Demostrate step by step procedure.

SET-1

BACHELOR OF COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

00320

June, 2014

BCSL-056: Network Programming and Administration Lab

Time allowed: 1 hour Maximum Marks: 50

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

- **1.** Write and run a client and server program using C language in UNIX as per following details:
 - TCP client program will establish connection and send a text string to the server.
 - The TCP server will accept the string and send back the reverse of this string.
- 2. Configure a Remote Server and transfer a Directory to Remote Server in Linux.

SET-2

BACHELOR OF COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination June, 2014

01610

BCSL-056: Network Programming and Administration Lab

Time allowed: 1 hour Maximum Marks: 50

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

- **1.** Write and run a client and a server program using C language in UNIX, with the following details :
 - A UDP client will send 3 numbers to the server.
 - UDP server will send back the largest among 3 numbers to the respective client.
- 2. Configure and test the inbuilt firewall in Linux.

SET-3

BACHELOR OF COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

00260

June, 2014

BCSL-056: Network Programming and Administration Lab

Time allowed: 1 hour

Maximum Marks: 50

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

- **1.** Write and run a client and a server program using C language in UNIX with the following specification :
 - A UDP client will send a string to the server.
 - Server will check the string and send its ASCII value to the respective client.
- 2. Configure FTP server in Linux then install and test a FTP client.

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SET-4

BACHELOR OF COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

00090

June, 2014

BCSL-056: Network Programming and Administration Lab

Time allowed: 1 hour

Maximum Marks: 50

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

- 1. Write and run a client and a server program using C language in UNIX as per following specification:
 - A TCP client program will establish a connection and send a text string to the server.
 - TCP server will accept the string and send back the number of vowels in the string.
- 2. Configure and test Telnet in Linux.

BCSL-056(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

Term-End Practical Examination

01209

December, 2015

BCSL-056(P)/S1: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

20

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

- 1. Write and run a TCP Client and a TCP Server program using 'C' language in Unix/Linux according to the following specifications:
 - Client will send a text string to the Server.
 - Server will send back the number of characters in the string to the respective Client.
- 2. Configure a Remote Server and transfer a directory to the Remote Server in Linux. Demonstrate the step-by-step procedure.

BCSL-056(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

00019

Term-End Practical Examination

December, 2015

BCSL-056(P)/S2: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

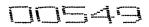
Maximum Marks: 50

Note: There are two compulsory questions carrying 20 marks each. Remaining 10 marks are for viva-voce.

- 1. Write and run a Client and a Server program using 'C' language in Unix/Linux with the following specifications:
 - UDP Client will send a list of numbers to the Server.
 - UDP Server will return the smallest number to the respective Client.
- Configure FTP Server in Linux machine and install FTP Client. Also show the file transfer.

BCSL-056(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)



Term-End Practical Examination

December, 2015

BCSL-056(P)/S3: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

Note: There are two compulsory questions carrying 20 marks each. Remaining 10 marks are for viva-voce.

- 1. Write and run a UDP Client and a UDP Server program using 'C' language in Unix/Linux as per the following specifications:
 - Client will send two numbers to the Server.
 - Server will return multiplication of these numbers back to the respective Client.

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2. Configure Telnet Service in the Linux. Also test the Communication.

BCSL-056(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

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Term-End Practical Examination

December, 2015

BCSL-056(P)/S4: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

20

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

- 1. Write and run a UDP Client and a UDP Server program using 'C' language in Unix/Linux operating system as per the following specifications:
 - Client will sent "hello" message to the Server.
 - UDP Server will return back with a "welcome" message to that Client.
- Create a group named "Student" using GUI tool in Linux. Write the rules and set permission for this new group.

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BCSL-056(P)/S4

BCSL-056(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

00988

Term-End Practical Examination

June, 2016

BCSL-056(P)/S1: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

Note: There are two **compulsory** questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- 1. Write and run a TCP Client and a TCP Server program using 'C' language in Unix/Linux according to the following details:

 20
 - Client will send a character to the server, after connection establishment.
 - Server will return back the ASCII value of this character to the respective client. Assume the server can have maximum 5 concurrent clients.
- 2. Configure an FTP Server on a Linux/Unix operating system. Test the FTP Client/Server communication through different machines.

BCSL-056(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

01106

Term-End Practical Examination

June, 2016

BCSL-056(P)/S2: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

Note: There are two compulsory questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- Write and run a TCP Client and a TCP Server program using 'C' language in Unix/Linux as per the following details:
 - Client program will send a string including characters and numbers, to the server.
 - Server will extract these numbers from this string and return back to the client.

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2. Configure and test Telnet in Linux.

BCSL-056(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

00616

Term-End Practical Examination

June, 2016

BCSL-056(P)/S3: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour Maximum Marks: 50

Note: There are two **compulsory** questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- 1. Write and run a UDP Client and a UDP Server program using 'C' language in Unix/Linux as per the following details:

 20
 - Client program will send any two numbers to the UDP Server (randomly).
 - Server program will return the multiplication of these numbers to the respective UDP Client.

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2. Install and configure the POP and IMAP Server in Linux.

BCSL-056(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

00916

Term-End Practical Examination

June, 2016

BCSL-056(P)/S4: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour Maximum Marks: 50

Note: There are two compulsory questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- Write and run a UDP Client and a UDP Server program using 'C' language in Unix/Linux as per the following details:
 - Client will send a text string to the server program.
 - Server will check whether this given string is a "Palindrome" or not. If yes, the server will return "Yes" otherwise "No" to the respective client.

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2. Install and configure a proxy server on Linux.

BCSL-056(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

01003

Term-End Practical Examination

December, 2016

BCSL-056(P)/S1: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour Maximum Marks: 50

- 1. Write and run a TCP client and a TCP server program using 'C' language in Unix/Linux as per the following details:

 20
 - A TCP client program should send 3 numbers to the server. Server can have maximum 3 clients at a time.
 - The server should send back the largest among the 3 numbers to the respective client.
- 2. Create and configure Samba Server in Linux. Demonstrate the step-by-step procedure.

BCSL-056(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

01433

Term-End Practical Examination

December, 2016

BCSL-056(P)/S2: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

20

Note: There are two compulsory questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- 1. Write and run a client and a server program using 'C' language in Unix/Linux with the following specifications:
 - A UDP client will send a string to the server.
 - The server will check the string, whether it is a palindrome or not. If yes, the server will send reply as "palindrome found" else send the string "no palindrome found" to the respective client.
- Configure a remote server and transfer a directory to the remote server in Linux.
 Demonstrate the step-by-step procedure.

BCSL-056(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

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Term-End Practical Examination

December, 2016

BCSL-056(P)/S3: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

- 1. Write and run a TCP Client and a TCP Server program using 'C' language in Unix/Linux according to the following details:
 - Client will send a character to the server.
 - Server will return back the ASCII value of this character to the respective client.
- 2. Create a Group named Student in Unix/Linux. Write the rules and set permission for this group so that only students and teacher can create files and folders.

BCSL-056(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

Term-End Practical Examination

December, 2016

BCSL-056(P)/S4: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

Note: There are two **compulsory** questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- 1. Write and run a UDP client and a UDP server program using 'C' language in Unix/Linux as per the following specifications:
 - Client will send a roll number to the server.
 - Server will fetch the corresponding name against this roll number from the stored record and send back to the respective client.
- 2. Configure and test the inbuilt Firewall in Linux Operating System.

BCSL-056(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

Term-End Practical Examination



June, 2017

BCSL-056(P)/S1: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

- 1. Write and run a TCP client and a TCP server program using 'C' language in Unix/Linux according to the following specifications:
 - Client program will send a string of characters to the specific server.
 - Server program will count the number of characters in the given string and return back to the respective client.
- 2. Configure an FTP server on Linux/Unix platform. Test the FTP server by sending files from different FTP clients available at different machines in a LAN.

BCSL-056(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

01885

Term-End Practical Examination

June, 2017

BCSL-056(P)/S2: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour Maximum Marks: 50

- 1. Write a UDP client and a UDP server program in 'C' language in Unix/Linux as per the following specifications:
 - A UDP client program and a UDP server should be available at different machines in a LAN. UDP client should send a series of numbers to the server.
 - UDP server will find the largest number and return back to the respective client.
- 2. Create and configure Samba server in Linux. Demonstrate each and every step. 20

BCSL-056(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

00795

Term-End Practical Examination

June, 2017

BCSL-056(P)/S3: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

- 1. Write and run a TCP client and a TCP server program in 'C' language in Unix/Linux. TCP client will send two text strings to the server i.e., String A and String B. TCP server will concatenate String A and String B and send the result back to the respective client.
- *20*
- 2. Write down the Unix/Linux commands for the following operations (verify the results):
- *20*
- (a) Enable authentication for single-user mode on Linux operating system.
- (b) Find the subnet mask and physical address of a machine in Unix/Linux.

BCSL-056(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)



Term-End Practical Examination

June, 2017

BCSL-056(P)/S4: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

Note: There are two compulsory questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- 1. Write and run a TCP client and a TCP server program in 'C' language in Unix/Linux as per the following specifications:
 - Client program will send a string of characters to the server.
 - Server will extract the vowels in the given string and return back to the respective client.
- 2. Configure and test the **Telnet** server in Linux.

BCSL-056(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

Term-End Practical Examination

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December, 2017

BCSL-056(P)/S1: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

- 1. Write and run a TCP client and a TCP server program using 'C' language in Unix/Linux as per the following details:
 - TCP client will establish a connection and send any two numbers to the server.
 - TCP server will return the multiplication of these numbers to the client.
- 2. Create a group named "BCA" using GUI tool in Linux. Also, create a group administrator for this group "BCA". Write the rules and set the permissions for this group and group admin.

BCSL-056(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

01562

Term-End Practical Examination

December, 2017

BCSL-056(P)/S2: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour Maximum Marks: 50

- 1. Write and run a UDP client and a UDP server program using 'C' language in Unix/Linux operating system as per the following details:
 - UDP client will send a text string to the client.
 - UDP server will return its reverse order to the client.
- 2. Configure and set the rules in the inbuilt firewall of Linux server.

BCSL-056(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

00552

Term-End Practical Examination

December, 2017

BCSL-056(P)/S3: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour Maximum Marks: 50

- 1. Write and run a UDP client and a UDP server program using 'C' language in Unix/Linux as per the following details:
 - UDP client will send an enrollment number of a BCA student.
 - UDP server will fetch the corresponding name against this enrollment number from the stored records and send back to the client.
- 2. Configure the Samba server in the Linux operating system.

BCSL-056(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)



Term-End Practical Examination

December, 2017

BCSL-056(P)/S4: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour Maximum Marks: 50

- 1. Write and run a TCP client and a TCP server program in 'C' language in Unix/Linux as per the following details:
 - TCP client will establish a connection with the server and send two text strings to the server.
 - TCP server will concatenate these strings and send back to the client.
- 2. Install and configure the POP and IMAP server in Linux operating system.

BCSL-056(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

Term-End Practical Examination

01989

June, 2018

BCSL-056(P)/S1: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour Maximum Marks: 50

Note: There are two compulsory questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- Write and run a TCP client and a TCP server program using 'C' language in Unix/Linux as per the following details:
 - Client program will send three numbers to the server.
 - Server will return the smallest number to the client.
- 2. Write the command(s) to perform the following operations:
 - (a) To enable authentication for single user mode on Linux.
 - (b) Find the Round Trip Time (RTT) of a packet from the server.

BCSL-056(P)/S2

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

01097

Term-End Practical Examination

June, 2018

BCSL-056(P)/S2: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour Maximum Marks: 50

Note: There are two compulsory questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- 1. Write and run a UDP client and a UDP server program using 'C' language in Unix/Linux as per the following details:
 - UDP client will send a string to the server.
 - Server will return the ASCII value of that string to the client.
- 2. Write the command(s) to perform the following operations:

20

- (a) Print out the header of network packets.
- (b) List the routers your connection crosses when reaching out to a remote system.

BCSL-056(P)/S3

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

00689

Term-End Practical Examination

June, 2018

BCSL-056(P)/S3: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour Maximum Marks: 50

Note: There are two **compulsory** questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- 1. Write and run a UDP client and a UDP server program using 'C' language in Unix/Linux as per the following details:
 - Client program will send employee ID to the server.
 - Server will fetch the corresponding name against this employee ID from the stored file and send back to the client.
- 2. Configure the DHCP Server on the Linux operating system.

BCSL-056(P)/S4

BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

00291

Term-End Practical Examination

June, 2018

BCSL-056(P)/S4: NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour

Maximum Marks: 50

Note: There are two compulsory questions carrying 20 marks each. Remaining 10 marks are for viva-voce. Make suitable assumptions, if any.

- 1. Write and run a TCP client and a TCP server program in 'C' language in Unix/Linux as per the following details:
 - TCP client will establish a connection with the server and send two numbers to the server.
 - TCP server will calculate the multiplication of these numbers and return to client.
- 2. Install and configure the SMTP Server on Linux operating system.

No. of Printed Pages: 2

BCSL-056/S1

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

NETWORK PROGRAMMING AND ADMINISTRATION LAB

Time: 1 Hour 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:
 - (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:

- (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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No. of Printed Pages: 2

BCSL-056/S2

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 UDP client and a UDP server using C-language in Unix/Linux for performing the following tasks:
 - (a) Establish a UDP connection between a UDP client and a UDP server.
 - (b) UDP client will send two variables a and b with values 15 and 20 respectively.
 - (c) The server program with swap the values of these variables i. e., a will have 20 and b will be assigned to 15 and return it to the client.
- 2. Write the commands to perform the following tasks:
 - (a) Does a DNS query for the user (i. e. 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.

No. of Printed Pages: 2

BCSL-056/S3

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 UDP client and a UDP server program using 'C' language in Unix/Linux for performing the following tasks: 20
 - (a) Establish a UDP connection between a UDP client and a UDP server.
 - (b) A UDP client will send a string to a server.
 - (c) The server program counts the number of vowels in the string and returns the value to the client.
- 2. Write the commands to perform the following tasks:

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

ASSIGNMENT GURU

No. of Printed Pages: 2

BCSL-056/S4

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.

MCSL-045/S3

[2]

- 1. Write and run a TCP client and a TCP server program in C-language in Linux/Unix environment to perform the following tasks:
 - (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.

ASSIGNMENT GURU