

BACHELOR OF COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

02919

June, 2014

BCS-061 (P) : TCP/IP PROGRAMMING

Time allowed : 2 hours

*Maximum Marks : 30
(Weightage : 15%)*

*Note : There are **two compulsory** questions, **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. **10**
 - A UDP client will send a string to the server.
 - Sever will send back the reverse of the given string to the respective client.

2. Run the following Commands in Linux/Unix and show/write their output. **10**
 - (a) diskperf
 - (b) IPconfig
 - (c) grep
 - (d) ping

BACHELOR OF COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination 00374

June, 2014

BCS-061 (P) : TCP/IP PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 30
(Weightage : 15%)

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

1. Run the following Command and show/write their output. 10
(a) netdiag (b) chmod (c) kill (d) telnet

 2. Write and run a client and a server program in C - language using Unix. 10
 - The TCP client sends a string to the server.
 - TCP server will remove all "spaces" in the string and return it back to the client.
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BACHELOR OF COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

00537

June, 2014

BCS-061 (P) : TCP/IP PROGRAMMING

Time allowed : 2 hours

*Maximum Marks : 30
(Weightage : 15%)*

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

1. Write the Unix Command(s) for the following operations : 10
 - (a) To check the connection is working between two nodes or hops.
 - (b) To find the IP address of a machine.

2. Write and run a client and a server program using C - language in Unix as per following details. 10
 - A UDP client will send an alphabet character to the server.
 - Server will return back the ASCII value of that character to the client.

BACHELOR OF COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

00208

June, 2014

BCS-061 (P) : TCP/IP PROGRAMMING

Time allowed : 2 hours

*Maximum Marks : 30
(Weightage : 15%)*

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

1. Write down the Unix/Linux Command(s) for the following operations : **10**
 - (a) Find the Subnet masking and physical address of a machine
 - (b) Delete a User in Unix

 2. Write and run a client and a server program using C - language in Unix as per following **10** specifications :
 - TCP client will send 10 numbers to the server.
 - Server will return the smallest number.
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