

BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

December, 2012

00615

BCS-061 (P) : TCP/IP PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 30

(Weightage : 15%)

Note : There are two compulsory questions. Marks are indicated against each question. 10 marks are for viva-voce.

1. Write UNIX commands for the following operations : (verify the results) 5
 - (a) Kill a running process using its process number
 - (b) To find the round trip time from a host machine to another machine using IP address.

 2. Write and run a client and a server program using C-Language in UNIX with the 15 following specification :
 - UDP client should send two string to a UDP server.
 - UDP server will concatenate both the strings and send to the client. The client program prints the result.
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BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

December, 2012

00475

BCS-061 (P) : TCP/IP PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 30
(Weightage : 15%)

Note : There are *two compulsory* questions. Marks are indicated against each question.
10 marks are for viva-voce.

1. Run the following Commands and show/write their outputs : 5
(a) netdiag (b) charmed

2. Write and run a client and a server program using 'C' language in UNIX as per 15
following specifications.
 - A TCP client program will establish a connection and send three numbers to the server.
 - TCP server will accept the string and send back the largest number from the given three numbers to the client.

BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

December, 2012

00585

BCS-061 (P) : TCP/IP PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 30
(Weightage : 15%)

Note : There are **two compulsory** questions. Marks are indicated against each question. 10 marks are for *viva-voce*.

1. Write down the UNIX commands for the following operations : (verify the results) 5
 - (a) Use a pattern, search a file in a directory
 - (b) Find the Subnet masking and physical address of a machine

 2. Write and run a client and a server program using C- language in UNIX with the 15 following specification :
 - A UDP client will or send a string to the server.
 - Server will check the string whether it is palindrome or not.If yes server will send "I" else "O" to the client.
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BACHELOR OF COMPUTER APPLICATIONS

Term-End Practical Examination

00895

December, 2012

BCS-061 (P) : TCP/IP PROGRAMMING

Time allowed : 2 hours

Maximum Marks : 30

(Weightage : 15%)

Note : There are *two compulsory* questions. Marks are indicated against each question. 10 marks are for *viva-voce*.

1. Run the following Commands and show/write their outputs. 5
(a) grep (b) ping

 2. Write and run a client and a server program using 'C' language in UNIX as per following specifications : 15
 - 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 sum of ASCII values of each character in the string.
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