

2018

BCA

4th Semester Examination

OS LAB AND COMPUTER NETWORK LAB

PAPER—2297 (SET-2)

(PRACTICAL)

Full Marks : 100

Time : 3 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Questions should be distributed on lottery basis.

*Answer any two questions taking one from each group.
(on lottery basis)*

Group — A

(Operating System Lab)

Answer any one on lottery basis : 1×25

1. Write a shell to convert a decimal number to its equivalent octal number.

(Turn Over)

2. Write a shell program to implement binary search.
3. Write a shell program to check whether a string is palindrome or not.
4. Write a shell program to perform bubble sort in a given any of n elements.
5. Write a shell program to find out prime numbers from range 50 to 200.
6. Write a shell program to check whether number is Armstrong or not.
7. Write a program to sort the element from n number of given elements.
8. Write a program to implement binary search.
9. Write a program to implement linear search.
10. Write a shell program to implement multiplicative table of a given number.

Group — B**(Network Lab)**

Answer any one on lottery basis : 1×25

1. Write a UDP echo server program using socket.
2. Write a program to implement modified server.
3. Write a server procedure that sleeps for 30 seconds.
4. Write a socket program to print all client IP address and their relative port.
5. Write a program that behaves like a simple TELNET.
6. Write a TCP client program that asks for the time from a TCP server.
7. Write a UDP server that receives a string of a character from the client.
8. Write a program to implement stream server.

INSTRUCTIONS***Distribution of Marks —*****Practical Note Book : 05****Viva-Voce : 15*****Experiments —*****Group - A : 25****Group - B : 25****Internal Assessment : 30*****TOTAL* : 100**