

BCA [Honours]
[CBCS]
B.Sc. Third Semester End Examination-2023
(Regular & Supplementary Paper)
(Practical)
PAPER- C7P
[Computer Network Lab]

Full Marks: 20

Time: 02 Hrs

The figures in the right hand margin indicate marks

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

Illustrate the answers wherever necessary

Answer any one question:

1x15= 15

1. Write a C program to read an IP address from keyboard and determine the IP address class.
2. Write a C program to find Hamming distance of two 4-bit code words.
3. Write a C program to implement stop-and-wait protocol.
4. Write a C program to implement CRC error detection technique.
5. Write a C program to implement client side and server side where client will send “*RNLKW College*” message to server and server will send “*Vidyasagar University*” message to client.

(2)

6. Write a C program using `fork()` to implement client-server communication where client and server will exchange messages.
7. Write a C program to implement client-server communication where server will echo the message received from the client.
8. Write a C program to implement client-server communication where server will receive a string from client, check if it is palindrome and send appropriate "*palindrome / not palindrome*" message to the client.

Viva – 03

PNB - 02