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

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 based on lottery   **1x15= 15**

1. Write a C program for error detection using CRC12 and the value of message is same as your roll number.

2. Write a program to get MAC or Physical Address of the system using Address Resolution Protocol

3. Write a program to find the Hamming code for a given data word.

4. Write a program to find the Hamming distance between two given data word

5. Find how many additional parity bits are needed in case of given length of message bits.

6. Write a C program to check whether a given IP address is in correct format or not.

7. Write a C program to find the message after bit oriented stuffing where flag value is 01111110 And payload is 00011111111100111110100.

8. Write a program to implement simple client-server application using UDP

9. Write a program to implement simple client-server application using TCP

10. Write a program to find a given IP address belongs to which class.

Viva – 03

PNB - 02