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RNLKWC/B.Sc.-CBCS/IIIS/BCA-C7P/22

2022

BCA

[HONOURS]

(CBCS)

(B.Sc. Third Semester End Examination-2022)

PAPER-C7P (Practical)

[Operating system 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 program to implement any one flow control protocol.
2. Write a program to calculate the naming distance.
3. Write a socket program to implement TCP client and server model.
4. Write a socket program to implement UDP client and server model.
5. Write a program to implement any one routing algorithm.
6. Write a C program to read an IP address and determine the class of this IP address.
7. Write a C program to implement CRC (cyclic redundancy check) technique of error detection.

(2)

8. Write a C program to implement stop-and-wait protocol.
9. Write a C program to implement client server communication where client-server will exchange messages.
10. Write a C program to implement client server communication where server will sent back the message received from the client.
11. Write a C program to implement client server communication where server will echo the message received from the client.
12. Write a C program to implement client server communication where server will receive the message from client, convert it into uppercase and sent this transformed message to the client.

Viva -03

PNB - 02