

BCA [Honours]
[CBCS]
B.Sc. Third Semester End Examination-2023
(Regular & Supplementary Paper)
(Practical)
PAPER- C6P
[Operating System]

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 in C language to find average waiting time and average turn around time of the n process using non preemptive shortest job first (SJF)
2. Write a program in C to implement first come first serve scheduling technique with arrival time and idle time as input.
3. Write a C program to implement preventive SJF and display it's waiting time and Turn around time.
4. Implement preemptive priority scheduling technique in C programming.

(2)

5. Write a program to implement Round Robin scheduling and display waiting time, Turn around time of each processes.
6. Write a program to implement process allocation using first fit memory allocation strategy for the following memory size 100, 500, 300, 300, 500.
7. Write a program where parent and child process execute concurrently.
8. Implement Non-preemptive priority scheduling technique and display order of given process.
9. Apply arrival time to FCFS and display average waiting time, average Turn around time and CPU idle time of the process as output
10. Implement worst fit memory allocation algorithm for minimum 5 process and 6 memory location.

Viva – 03

PNB - 02