

# BIYANI GIRLS COLLEGE

Mid Term Examination 2025

Class: BCA-II Semester

Subject- Operating Systems(BCA-52T-111)

MM: 50

Time: 1.5Hrs.

[A.] Very Short Questions.

(5\* 2= 10)

1. What do you mean by Operating System?
2. Define CPU Scheduling.
3. What is process management?
4. Define Virtual machine.
5. What do you understand by Real time Systems?

[B] Short Questions.

(4\* 10=40)

1. Solve the First Come First Serve scheduling.

Process	Arrival Time (AT)	Burst Time (BT)
P1	0 ms	5 ms
P2	1 ms	3 ms
P3	2 ms	8 ms
P4	3 ms	6 ms

- Draw the Gantt chart
  - Calculate: Completion Time (CT), Turnaround Time (TAT), Waiting Time (WT)
  - Find Average TAT and WT
2. Write differences between preemptive and non-preemptive scheduling?
  3. What is System Structure? Explain it.
  4. Explain the type of OS.

