Note: Note: Give a brief and correct answer. **Mention your name and roll number on the answer sheet.**
Answer the question after writing the question in the answer sheet.

1. What is the activity of CPU when there are no user/system programs to run?

2. In earlier operating systems, there was no mode bit, How the mode bit has enhanced the protection in the modern operating systems?

3. List the problems of "Multiprogramming".

4. List the problems encountered by operating system designers due to spooling.

5. Operating system is called as a "Control Program". Justify.