 **Practice Sheet-6**

**Operating System (Linux)**

**CST108**

**Q.1** Discuss common program threats.

**Q.2** Briefly describe worms and viruses in terms of system threats.

**Q.3** Suppose that a disk drive has 5,000 cylinders, numbered 0 to 4999. The drive is currently serving a request at cylinder 143, and the previous request was at cylinder 125. The queue of pending requests, in FIFO order, is 86, 1470, 913, 1774, 948, 1509, 1022, 1750, 130.

Starting from the current head position, what is the total distance (in cylinders) that the disk arm moves to satisfy all the pending requests for each of the following disk-scheduling algorithms?

a) FCFS

b) SSTF

c) SCAN

d) LOOK

e) C-SCAN

f)C- LOOK

**Q.4** Discuss masquerading and man-in-the-middle attack.

**Q.5** What are the issues faced in distributed operating systems?

**Q.6** Discuss various file allocation methods.