(1) Sketch how VM is implemented in memory.

(2) What is “Virtual Machine” (define the concept)?

   A virtual computer where computer hardware is software-emulated by VMS (Virtual Machine Support).

   Or

   Virtual Machine is an additional software layer between the hardware layer and the OS layer, which works as “operating system for operating systems”. As a result, a VM software-emulates different computer systems in a computer system.
(3) What is “response time” (in the context of process scheduling)?

Response time is the time after a process is submitted until the process starts running (is assigned a processor).

(4) How does “SRTF” process scheduling algorithm work?

SRTF process scheduling algorithm is a preemptive scheduling algorithm which chooses the next process (the process that will be assigned a processor next) based on processes’ shortest remaining running time. When another process is submitted for execution while the current process is running (i.e., using a processor), the current process will be preempted and the processor will be assigned to the new process that has the shorter process remaining time.

(5) What is “preemptive process scheduling”?

Preemptive process scheduling is a type of process scheduling algorithms that stops (takes away the processor from) the currently running process even though the current process does not finish or does not make I/O calls (i.e., system calls).