

# Quiz#2

## SE-5B

Time: 9 +1 mins

### Q#1.

a. What command would you use to view the complete list of processes running on your system? Explain the purpose of at least three columns from the output. (2 mins)

b. Explain the difference between the *fork()* and *exec()* system calls. How do they complement each other in process management? (2 mins)

### Q#2.

a. How would you use the *getpid()* and *getppid()* system calls in a C program to display the process ID and parent process ID? Provide an example. (3 mins)

b. In a system call *fork()*, what is the significance of the return value, and how can you differentiate between the parent and child process based on it? (2 mins)