8. Take a look at the following code and write the maximum number of processes that will will be present at any time.

```
void main(int argc, char **argv) {
    int pid;
    for (int i = 0; i < 4; i++) {
        pid = fork();
        if(pid != 0) {
            sleep(2000);
            break;
        }
    }
    wait(NULL)
}
```

Score / 2

.....

9. What is the need of the *created* state in the process life cycle? Mention at least one specific task that is performed in this state.

.....

.....

.....

.....

.....

Score / 2

10. When we say that the kernel must 'save the state before switching context', what do we mean?

.....

.....

Score / 1

11. Explain the operations carried out by the kernel when the fork system call is issued by a process. Provide as much detail as you can in the allocated space.

.....

.....

.....

.....

Score / 2