<u>Quiz 02</u>

Time: 20 mins

Quiz will be cancelled if any student is found looking at his/her neighbor's paper or writing after the expired time.

Question # 1Mark (T) for true and (F) for false at the left hand side of the statement. Fill in the blanksneatly in the specified space. Cutting or overwriting will be marked with zero.[10 mks]

1. A Medium Term Scheduler is also known as swapper.

2. The short term scheduler controls the degree of multiprogramming.

3. Dispatcher has nothing to do with a process switch.

4. All successful exec() functions return NULL.

5. A PCB contains information associated with a specific process that is used by OS to control the process.

6. Interrupt, Trap and signal trigger a _____

7. In ______ a process is created when a new user attempts to log on

8. Context-switch time is _____

9. When a process is created on the explicit request of the Operating System this is called ______.

10. The time it takes for a dispatcher to stop one process and start another is known as

Question # 2 Give the output of the given code snippet.

```
int main ( int argc, char * argv [ ] )
{
   int pid, status;
   pid = fork();
   if (pid == 0)
   {
            printf("Child Line 1 n'');
            execlp("date", "date", '\0');
            printf("Child Line 2 \n'');
            exit(0);
   }
   else
   {
      wait(&status);
      printf("Parent Line 1 \n");
      printf("Parent Line 2 \n'');
    }
return 0;
}
```



[5 mks]

Page 1 of 2

QUESTION # 3		[10 mks]
A.	What are the reasons for process creation?	[2]
B. 	When is the Short Term Scheduler is invoked?	[2]
C.	How does the child process differ from the parent process?	[2]
D.	A parent process may terminate execution of one of its children for a number of reason four.	ns. Mention an [2]

E. What is the limitation of the 5-State Process Model?

[2]