**Studytonight – OS test 11 – Aditya Jain**

1. **Which is built directly on the hardware?**
2. Computer Environment
3. Application Software
4. **Operating System**
5. Database System
6. **Which one of the following is NOT true?**

a) kernel is the program that constitutes the central core of the operating system  
b) kernel is the first part of operating system to load into memory during booting  
**c) kernel is made of various modules which cannot be loaded in running operating system**d) kernel remains in the memory during the entire computer session

1. **Which one of the following error will be handle by the operating system?**a) power failure  
   b) lack of paper in printer  
   c) connection failure in the network  
   **d) all of the mentioned**
2. **The main function of the command interpreter is**

a) **to get and execute the next user-specified command**b) to provide the interface between the API and application program  
c) to handle the files in operating system  
d) none of the mentioned

1. **By operating system, the resource management can be done via**

a) time division multiplexing  
b) space division multiplexing  
**c) both time and space division multiplexing**d) none of the mentioned

1. **If a process fails, most operating system write the error information to a \_\_\_\_\_\_**

**a) log file**b) another running process  
c) new file  
d) none of the mentioned

1. **Which one of the following is not a real time operating system?**a) VxWorks  
   b) Windows CE  
   c) RTLinux  
   d) **Palm OS**
2. **The OS X has ------------**

a) monolithic kernel  
b) **hybrid kernel**c) microkernel  
d) monolithic kernel with modules

1. **In operating system, each process has its own**

a) address space and global variables  
b) open files  
c) pending alarms, signals and signal handlers  
d) **all of the mentioned**

1. **In Unix, Which system call creates the new process?**

**a) fork**b) create  
c) new  
d) none of the mentioned

1. **A process can be terminated due to**

a) normal exit  
b) fatal error  
c) killed by another process  
**d) all of the mentioned**

1. **What is the ready state of a process?**
   1. **When process is scheduled to run after some execution**
   2. When process is unable to run until some task has been completed
   3. When process is using the CPU
   4. None of the above mentioned

soln: When process is unable to run until some task has been completed, the process is in blocked state and if process is using the CPU, it is in running state.

1. **What is inter-process communication?**

a) communication within the process  
**b) communication between two process**c) communication between two threads of same process  
d) none of the mentioned

1. **A process stack does not contain**

a) Function parameters  
b) Local variables  
c) Return addresses  
**d) PID of child process**

1. **Which system call returns the process identifier of a terminated child?**

**a) wait**b) exit  
c) fork  
d) get