**List the 5 types of OS?**

* Normal Operating System
* Distributed Operating System
* Multiprocessor Operating System
* Database Operating System
* Real-time Operating System

**List 4 components of CPU?**

* Control Unit
* Arithmetic Logic Unit
* Register
* System bus

**Define OpenStack?**

* OpenStack is an open-source infrastructure as a service (IaaS) initiative for creating and managing large groups of virtual private servers in a cloud computing environment.

**List the 7 layers of OSI model ?**

* 7 - Applications
* 6 - Presentation
* 5 - Session
* 4 - Transport
* 3 – Network
* 2 – Data Link
* 1 – Physical

**List 3 benefits of using threads?**

* Responsiveness
* Faster context switch
* Effective utilization of multiprocessor system

**List the services of Cloud Computing ?**

* On-Permission (Private Cloud)
* Infrastructure as a Service (IaaS)
* Platform as a Service (PaaS)
* Functions as a Service (Serverless)
* Software as a Service (SaaS)

**List types of pipes ?**

* Ordinary Pipes
* Named Pipes

**List the three components of the Architecture of OpenStack ?**

* Compute
* Storage
* Image

**List the components of big picture of OS** ?

* User
* List of Services
* System Calls
* Kernel
* Interrupt
* CPU
* Processes
* Threads

**Computer system can be divided into four components, list them?**

* Hardware
* Operating System
* Application Programs
* Users

**List the states of Threads?**

* Running
* Ready
* Blocked

**What is HPC?**

* HPC stands for High Performance Computing

**List the components of von Neumann architecture?**

* Memory
* Control Unit
* Arithmetic Logic Unit
* Accumulator
* Processor
* Input and Output

**List 3 ways AI used in OS design?**

* Automated Code Generation
* Dynamic Resource Allocation
* Power Management

**What is difference between UX and UI?**

* UX is User Experience
* UI is User Interface

**List the types of Threads?**

* User Level Thread
* Kernel Leve Thread

**List 2 types of system calls ?**

* Process control
* File Management

**List the types of Cloud Computing?**

* Public Cloud
* Private Cloud
* Hybrid Cloud

**List the states of a Process?**

* New
* Running
* Waiting
* Ready
* Terminated

**What is ABI ?**

* ABI stands for Application Binary Interface, which is architecture equivalent of API, defines how different components of binary code can interface for a given operating system on a given architecture, CPU, etc.

**What is the difference between Policy and Mechanism?**

* Policy is What will be done, and Mechanism is How to do it.

**List 5 major design issues with OS?**

* Transparency
* Flexibility
* Reliability
* Performance
* Scalability

**List one trend in OS design?**

* Containerization.

**Define a Process?**

* Process means any program is in execution

**List CPU's Buses?**

* Control bus
* Address bus
* Data bus