0.5

=> Operating - System:-

Application

OS:- Interface btw user and H/w.

user1   user2   usern

↓   ↓   ------   ↓

Application.

↕

O.S   →   Operating - System.

↕

Hardware

CPU   I/O   RAM
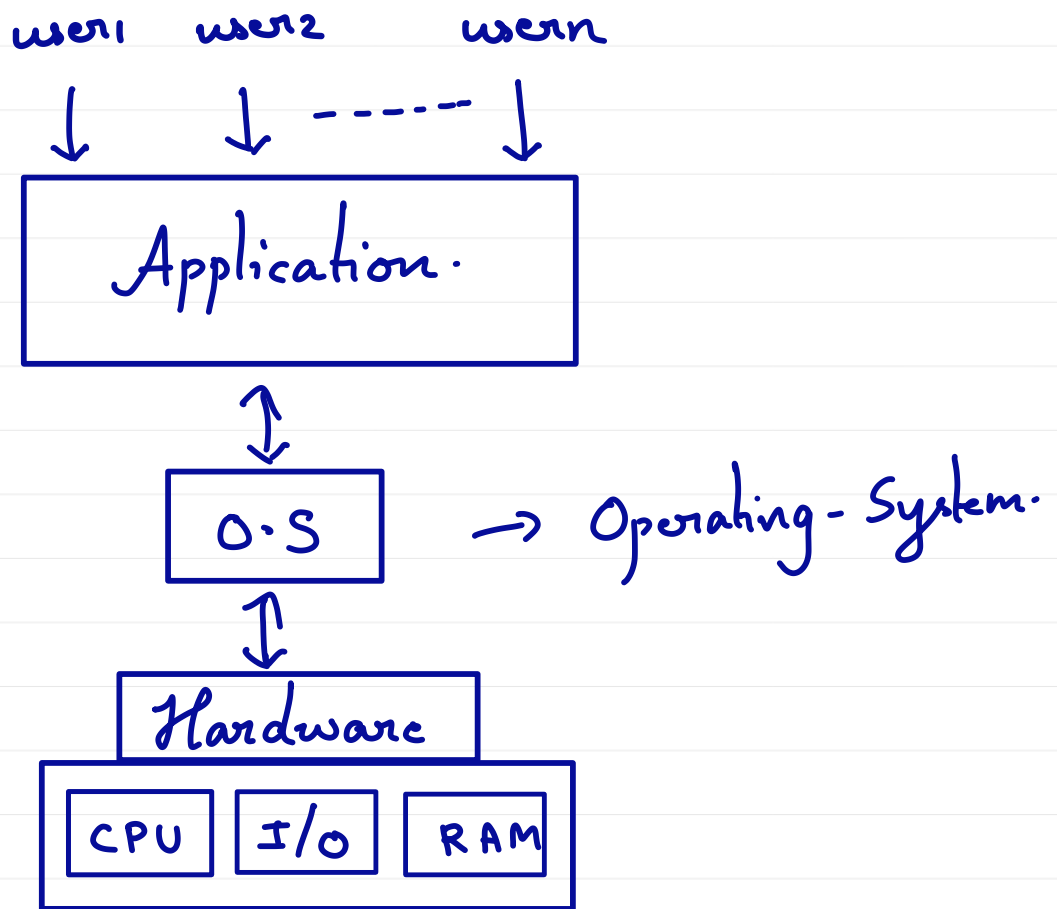
O.S Concepts:-

→ Resource Allocater (allocate CPU, Memory
                         printers, e.t.c)

→ Resource - manager (Manages & tracks
                         resources allocated)

→ Storage Mngmt, Memory Mngmt (RAM)

→ Process Manager → (C.P.U Scheduling)

$\rightarrow$ **Throughput :-** No of processes completed per unit time.

O.S $\longrightarrow$ good (Throughput $\uparrow$)
$\downarrow$
Eg:- Linux

Goals of OS:-

Primary goal : Convienience

Secondary goal : Efficiency (Throughput)

O.S - Functionality:-

1) Resource - Management

2) Process- Management (CPU-Scheduling)

3) Storage - Management (Hard-disk) $\rightarrow$ file systems

4) Memory - Management (RAM)

5) Privacy & Security (kerberos Algorithm).

Test-1