

Turn fround Time; for P1=2(0-0)=10 for P2= 12-0 = 12 for $P_3 = 6 - 0 = 6$ for Py = 7-0=7 for P5 = 13-0 = 13 Aug. Turn around Time = 10+12+6+7+13 = 48 = 9.6OS puovides various kinds of functionalaties: 2 Ang-2 1. Ilo Services poperation. To execute a programe, we need I/o which consists of file, or I/o device. Due to the pretection and effectiveness, users are not able to manage the I/o device. So OS helps users to perform The operations such as read, write etc. 2. Program execution Os Responsible for loading a programe into memory and execute it 3. file System Manipulation file is collection of intermation, tor long term storage computers stores it in disk which is a secondary storage. eig Magnetic duk, CP, DVP etc. for easy and efficience usuage, tile system is organised in the form of diretories. That cointains files & other diretories.

4	Communication
7	The Ol stars soulity of communication. The process _/_
	inquires information orchange with another
0	rocess. Some with the help of message passing & shared memory.
-	
5.	Error Handling
(Provider corvice at error handling. It may arrise any
1.	unere like in Ito devices, Memory, CPU & in the user programa.
- 4	where the his 40 depices, thousand
6.	Resource Allocation
	in System when multiple Jobs are executing concurrently,
/m	neltiple Jobs) then resource allocation is needed for each
The second secon	ob Resources like main Memory, The devices etc.
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
7	+coounting
	Accounting Service of OS keeps trace of system usuage
	means which user use the resource for how much time
	and that 1495 type.
	The state of the s
0	profection
9.	
	If Os tres computer System has different users, and permits
	the concurrent execution of diffrent process from it is must
	to protect each process from one other's activities.
	as a series of the contract of the series of
	PCB (Process Control Block)
	Also called Tesk control Block
LE I	collitains Information Relieated to each process.
6	Market Said Said Said Said Said Said Said Said
0	Phocess State -> current state of Process
	Running, waiting etc.
	V

De Ruograme Courter: - Location of Instruction to be executed next. CPU Registers: - Contents of sell process centric Registers. CPU Scheduling Into: - Priority scheduling, Queue pointer Memory Management Into: Memory allocated to the Process Accounting Info: Clu used, clock time elapsed since Start time einits Ifo Status Info: The devices allocated to Process, List of open files. Process State Process number programe courter Register memory Limits List of Open tiles