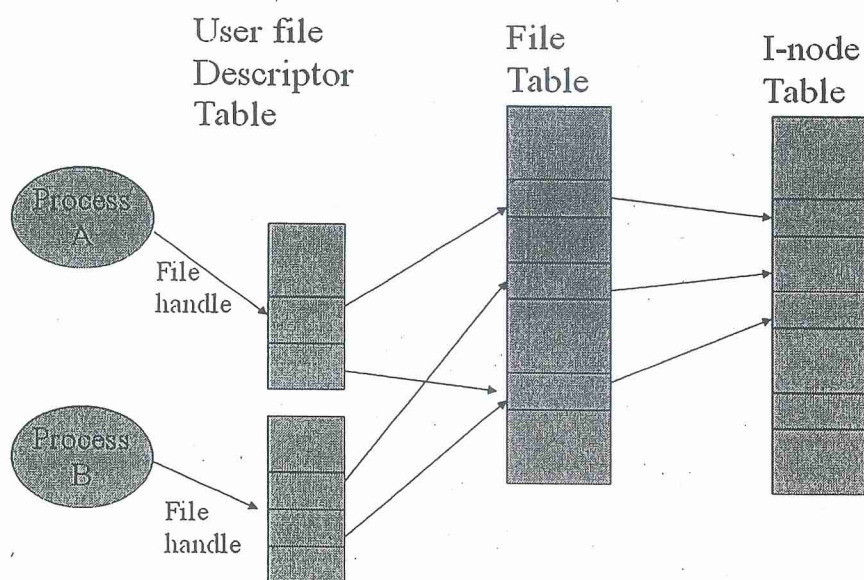


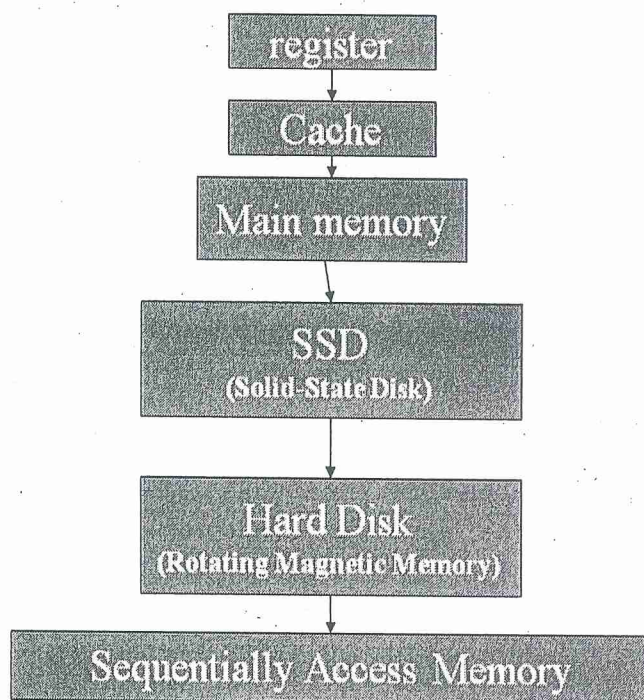
1. Please describe the mappings of the following processes and file management in Unix (20%)



2. For demanding paging system, there are two categories as below, please describe their differences with at least one example (15%)

- i. Static paging algorithms
- ii. Dynamic paging algorithms

3. Please describe the following Memory Hierarchies and their strengths and weakness (15%)



參考用

注意：背面有試題

4. Please explain the purposes of the following all services with different TCP/UDP port # (20%)

#	<service name>	<port number>/<protocol>	[aliases...]
•	ftp	21/tcp	
•	telnet	23/tcp	
•	smtp	25/tcp	mail
•	time	37/tcp	time
•	time	37/udp	time
•	rtp	39/udp	resource # resource location
•	name	42/tcp	nameserver
•	domain	53/tcp	nameserver # name-domain server
•	domain	53/udp	nameserver
•	finger	79/tcp	
•	pop3	110/tcp	postoffice
•	nbssession	39/tcp	

5. Please describe the following terminologies in details: (30%)
- MIMO (Multi-input Multi-output)(6%)
 - Routing Table (6%)
 - Segmentation and Paging (memory management) (6%)
 - Cloud Computing (6%)
 - MOOCs (Massive Open Online Courses) (6%)

參考用