

19 [1] ليكن boot strap مخزن في ROM ؟

لانه ليس مع فقط القراءة لا يسمح بالكتابة وبكذا مقدر ان يكتب عليه لا يلاذ ولا فائرو من مقدر يكتب عليه .

1.36 [2] تجيب جملة متعلقة بالملف كاملة وتقول من صلاحيات owner او group او other ؟

d rw x rw x rw x ~ ~ ~ ~ ~
owner group other

r → read , w → write , x → execute

2.13 [3] why using API ?

Protability and system calls can be complicated

بجس انه API تداخل ببرقة نوع OS وقصير الاوامر المتعقدة بها

2.18 [4] Why useing pass the parameter in register?

Simplest.

2.18 [5] why we don't use pass the parameter by register?

maybe more ~~the~~ parameters than registers.

2.18 [6] why in system calls we use or need block or stack?

this methods do not limit the number or length of parameters being passed.

[2] 20-21-22-23

7) ہائی مثالیں علی کل نوع من انواع System calls ؟

- 1- Process control creat, terminate process
get, set process attributes.
- 2- File management creat, delete file
get, set file attributes.
- 3- Device mangement request, release device
get, set device attributes.
- 4- Information maintenance get, set time date
get, set system data
- 5- Communications creat, delete communication connection
send, receive messages.
- 6- Protection control access to resources
get, set permissions.

3.8 Diagram of process state. 2 aw/ [8]

3.15

	Device queues	Ready queues [9]
CPU-bound process	Empty	Full
I/O-bound process	Full	Empty

why we must use mix process? ↑

3.20

10] يجب معرفة من Parent لا login مثلاً ؟ init
من child لا login hash

3.22

11] Tracing و output لا بد

Part 2

3.6

Producer	Unbounded no wait	bounded wait full?
Consumer	wait empty?	wait empty?

In bounded buffer if producer want to produce item must wait for -- ?

- empty
- Full

Part 2

3.8

3.9

5.5

5.6

13] عن يجب التحلي السود أو ترينق أو مثلاً بشرط ناقص التحلي

5.11

14] Non-Preemptive kernel is: Free of race condition

15] Preemptive kernel is:- More responsive and suitable for real time programming

5.13

5.20

5.24

5.30

16] Which line in the code satisfy the Mutual exclusion and Progress, bounded waiting ?

17 كيف تفحصي قفل في حركته بضعف القيمة لا بد اننا نعطاه في جز Exist

من يتوخ القفل في

5.32
18 لجز قفل استخدم اي Semaphore
لفتح القفل
Signal ←

5.45
19 In First variation Starvation for Writer
In second variation Starvation for Reader