CO-Quiz 1 of 5

Total questions : 10
Marks : 10
Time : 12 minutes
Note: For answers to questions of short answer/descriptive type, please enter CAPITAL letters only. Rest of the combinations will be given wrong.

Your email address (**u19cs012@coed.svnit.ac.in**) will be recorded when you submit this form. Not you? Switch account

* Required

Suppose we need a total memory capacity of 2048 bytes and RAM chips of size 128 * 8 size are available. How many such chips would be required? * 1 point

- [ ] 60
- [x] 16
- [ ] 8
- [ ] 24

Consider a logical address space of eight pages of 1024 words each, mapped onto a physical memory of 32 frames.How many bits are there in the logical address and physical address? * 2 points

- [x] 13, 15
- [ ] 10,15
- [ ] 15,10
- [ ] 10,10

Consider a disk pack with the following specifications- 16 surfaces, 128 tracks per surface, 256 sectors per track and 512 bytes per sector. What will be the total storage capacity of disk pack? * 1 point

- (●) 256 MB
- ( ) 256 KB
- ( ) 256 bytes
- ( ) None of the above

The logical address space in a computer system consists of 128 segments. Each segment can have up to 32 pages of 4K words in each. Physical memory consists of 4K blocks of 4K words in each. Physical memory consists of 4K blocks of 4K words in each. How many bits will be required for segment and page parts respectively? * 2 points

- ( ) 5. 7
- ( ) 5, 12
- (●) 7, 5
- ( ) 15, 5

When a program tries to access a page which is not present in the main memory, _____ occurs. * 1 point

PAGE FAULT

If the number of bits in the physical address is 32 bits, what would the be the size of physical address space? * 1 point

- ○ 4 MB
- ○ 4 KB
- ◉ 4 GB
- ○ None of the above

Let the size of main memory be 16384 blocks where 1 block contains 256 eight bit words. How many bits would be required to access main memory? * 1 point

- ○ 20
- ○ 18
- ◉ 22
- ○ None of the above

Main memory can be accessed at a faster speed by CPU as compared to cache. * 1 point

- ○ True
- ◉ False

Submit