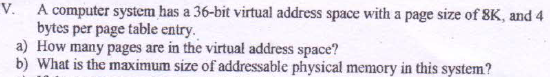
**Questions from Paging Schemes**

1. **On a simple paging system with 224 bytes of physical memory , 256 pages of logical address space , and a page size of 210 bytes,**
2. **How many bits are there in logical address space?**
3. **How many bytes are there in a page frame?**
4. **How many bits in the physical address specify the page frame?**
5. **How many entries are there in page table(how long is the page table)?**
6. **How many bits are needed to store an entry in the page table (how wide is the page table)? Assume each page entry contain a valid/invslid bit in addition to the page frame number**
7. **On a simple paging system with page table containing 64 entries of 11 bits (including valid/invalid bit) each, and a page size of 512 bytes .**
8. **How many bits in the logical address space specify the page number?**
9. **How many bits in the logical address space specify the offset within the page?**
10. **How many bits are in a logical address ?**
11. **What is the size of the logical address space**
12. **How many bits in the physical address space specify the page frame number?**
13. **How many bits in the physical address space specify the offset within the page frame**
14. **How many bits are in the physical address?**
15. **What is the size of the physical address space?**
16. **An address space is specified by 24 bits and the corresponding memory space by 16 bits. How many words are there in the address space. How many words are there in the memory space? If a page consists of 2K words, how many pages and blocks are there in the system?**

****

1. **Consider a logical address space of 64 pages each of 1024 words mapped onto physical memory of 32 frames.**
   * + **How many bits are there in Logical address Space?**
     + **How many bits are there in physical address space?**