Quiz 3 & 4

BSCS-4J

Question # 1:   **[Marks: 5]**

Consider multiple threads executing the following three functions. These threads print a string containing any number of a's and b's and c's in any order. Synchronize the threads (using Semaphores) so that the string becomes a concatenation of the substring "**ccabb**".

Function 1	Function 2	Function 3

void function1()
{
cout<<"a";
}
	void function2()
	{
	cout<<"b";
	}
		void function3()
		{
		cout<<"c";
		}

Question # 2:   **[Marks: 5]**

Consider a system with byte-addressable memory, 32 bit logical addresses, 4 kilobyte page size and page table entries of 4 bytes each. Find the size of the page table in the system in MB.