

Q4:- assume we have a computer system with 2 level cache the hit time for L1 cache is 1 cycle and for L2 cache is 10 cycles and the miss penalty is 200 cycles. And assume we have a program with 12000 memory reference with 600 misses in L1 cache and 150 misses in L2 cache. Calculate the Average Memory Access Time (AMAT).

5 marks

Q2:- what is the effect of block size on miss rate and miss penalty and the effect of associative on hit time, miss rate.

4 marks