void samp\_func(int a, int b, int c) {

char buffer1[5];

char buffer2[10];

int P=0,Q=0;

int \*ret;

ret = buffer1 + P;

(\*ret) += Q;

}

void main() {

int x;

x = 0;

samp\_func(1,2,3);

x = 1;

printf("%d\n",x);

}

Consider the above program. Answer the following questions.

1. Find out the return address of function samp\_func.
2. Find out the address at which the return address of samp\_func is stored on the stack.
3. Find out the address at which the buffer1 is stored on the stack.
4. Calculate the distance at which the return address is stored from the start of the buffer1 on the stack
5. What will you give to P and Q (instead of 0s) such that the line 12 is skipped from execution?