Q1·) Ans: Assuming n=5, the activation tree would look as joilous: 615) F (3) _ዜ (4) P(1) F(2) 6(3) 600 F(1) f12) f-(1) H(1) F(0) Floj F(1) when n=5, the function will be called 16 times. there are three activation rewads, one for main and two los tib. This is how the stack and activation reusal would look like; f(z) Act + (5) f(n) 1:1(n-2)

lib(n-1)

Return

£(3)

f(2)

F(1)

Act FC21

FCIJ

Act