2

- (a) It assures that when control returns to callers, they can once again access its local variables.
- (b) It makes sure that when the function returns, PC can have the value of next instruction and get to work normally.
- (c) It's the result of the function that will be used by the caller.

4

- (a) Caller
- (b) Callee
- (c) Caller
- (d) Callee

15

FRAME PTR
X3103
0
16
4
5
6

6	
5	
4	
Ch17	
2	
No. Because the return addre	ess is active to make sure that every attempt to the
call can be certain to complet	e the recursive function.
5	
a)	
(1) 0	
(2) 2	
(3) 0	
b) Power(a,b)= [logb(a)]	
c)frame pointer	
return address <the ad<="" td=""><td>dress of Power function being executed.</td></the>	dress of Power function being executed.
1	
7	
0	

- a) The largest input value is 2048. (16*1024/(4*2)=2048)
- b) The largest input value is 512. (4*1024/(4*2)=512)