

ID: _____

ICS 313-02(002)

Dr. Mamdouh Najjar

Name: _____

Quiz # 5
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Question 1:

(12 points)

Show the stack with all activation record instances, including static and dynamic chains, when execution reaches **position 1** in the following skeletal program:

```
procedure BIGSUB;
  integer v, w;
  procedure A;
    integer x, y;
    procedure B;
      integer a, b, c;
      begin { B }
      ...
      end; { B }
    procedure C;
      integer x, w, a, c;
      begin { C }
      ...
      B;
      ...
      end: { C }
    begin { A }
    ...
    C;
    ...
    end: { A }
  begin { BIGSUB }
  ...
  A;
  ...
end; { BIGSUB }
```