

Name:

ID Number (last four digits): (10 points)

Exam Number:

Grade: 1: ... 2: ... 3: ... Total:

SOLVE ALL the problems IN THE SPACE PROVIDED

Read the Problems CAREFULLY!

THERE ARE 2 (TWO) PAGES THIS PAGE INCLUDED

Problem 1. (20 POINTS)

For details see Problem Set 7.

```
total =0;
ii=1;
while (ii <= n )
    total = total + ii;
    ii = ii+1;
end
disp(total);
```

Problem 2. (10 POINTS)

Which of the three programs *A*, *B*, *C* prints the integers 3, 2, 1, one integer per line? Name all that apply or write NONE if you believe none of *A*, *B*, *C* is up to this task!

```
i=3;                                % Program A starts here          First two: A,B
while (i >= 1 )
    fprintf('    %d\n',i);
    i=i-1;
end                                  % Program A ends here

i=4;                                  % Program B starts here
while (i >= 2 )
    i=i-1;
    fprintf('    %d\n',i);
end                                  % Program B ends here

i=5;                                  % Program C starts here
while (i > 3 )
    fprintf('    %d\n',i-2);
    i=i-1;
end                                  % Program C ends here
```

Problem 3. (10 POINTS)

What does the for loop below print?

```
for ii=2:2:10                        Output
    fprintf('%d\n',ii);                2
    if ii > 5                          4
        break;                        6
    end                                  >>
end
```