```matlab
% Task Set F — Question 4
clc;
close all;

h = 0.1;
t = 0:h:72;
N = length(t);
T = zeros(1, N);
T(1) = 75;

f = @(t, T) 0.25 * (85 - 10 * cos((pi * (t - 5)) / 12) - T) + 7 * sech((3/4)*(t - 10)) +
2 * (77 - T);

for n = 1:N-1
    k1 = f(t(n), T(n));
    k2 = f(t(n) + h/2, T(n) + h*k1/2);
    k3 = f(t(n) + h/2, T(n) + h*k2/2);
    k4 = f(t(n) + h, T(n) + h*k3);
    T(n+1) = T(n) + (h/6)*(k1 + 2*k2 + 2*k3 + k4);
end

% Plot
figure;
plot(t, T, 'ro');
hold on;
xlabel('t');
ylabel('T(t)');
legend('RK4 Approximation');
title('Task Set F — Q4');

disp('Max T:');
disp(max(T));

m = 85 - 10 * cos((pi * (t - 5)) / 12);
plot(t, m, 'b-');
legend('RK4 Approximation', 'm(t)');
```