FINAL EXAM 33 MC questions of equal weight.
Exam is organized in four parts:

I. Thermodynamics 1(material discussed prior to test 1 and tested in midterm 1): 8 Questions

3 straightforward
2 medium difficulty
3 time-consuming

II. Thermodynamics 2 (Entropy and Carnot Cycle) 4 questions

3 Straightforward
1 Medium Difficulty

III. Mechanics 1 Kinematics, Newton's Laws, Work and Energy, Linear Momentum

8 Straightforward
4 Medium difficulty
1 Time-Consuming

MECHANICS II (ROTATIONAL DYNAMICS, TORQUE, ANGULAR MOMENTUM, FLUID DYNAMICS)

3 Medium Difficulty
3 Time Consuming
1 Medium

TOTAL:

14 Straightforward
11 Medium
8 Time Consuming

Please note what is considered to be straightforward or medium is relative.
If the topic has been discussed in depth, with many problems solved in assignment/DGD/ class then even if it is technically medium difficulty I would classify it as straightforward in light of what has been done in our class.
On the other hand, the problem that is relatively easy might be labelled as medium-difficulty if it relates to a topic that was not discussed extensively in class.

Time-consuming problems are just that – they take longer to solve because of number of calculations you have to perform, or they are less obvious and require some thinking.

DETAILS:

1	Efficiency of the Engine.
2	Work and Heat In gas transformations
3	Work and Heat In gas transformations
4	Speed distributions
5	Heat Transfer
6	Calorimetry
7	Speed distributions
8	Speed distributions
9	Entropy
10	Entropy
11	Entropy
12	Carnot Engine
13	Newtonian Dynamics
14	Kineamatics
15	Newtonian Dynamics
16	Linear Momentum
17	Rotational Kinematics
18	Work
19	Work and Energy
20	Newtonian Dynamics
21	Buoyant Force
22	Newtonian Dynamics
23	Work
24	Conservation of Energy
25	Buoyant Force
26	Rotational Dynamics
27	Rotational Equilibrium
28	Rotational Dynamics
29	Angular Momentum
30	Rotational Dynamics
31	Rotational Equilibrium
32	Angular Momentum
33	Fluid Dynamics