

PHY2053
Summer C 2013
Exam 2 Breakdown

1. Definition of work
2. Definitions of kinetic and potential energy
3. Conservation of mechanical energy
4. Nonconservative forces
5. Hooke's law
6. Conservation of energy involving springs
7. Power
8. Impulse-Momentum theorem
9. Conservation of momentum
10. One dimensional elastic collision
11. One dimensional inelastic collision
12. Two dimensional inelastic collision
13. Center of mass
14. Rotational inertia
15. Definition of torque
16. Rotational equilibrium
17. Rotational form of Newton's second law
18. Motion of rolling objects
19. Definition of angular momentum
20. Conservation of angular momentum