WORK, ENERGY AND POWER

General Instructions: Answer all the questions. If you are unable to answer any question, go through the page number that is given against that particular question in the text book. You can find the answer.

Test Paper-IV **MAX MARKS: 20** TIME: 60Mts 1 Define the following P129 3 a. Elastic collision b. Completely inelastic collision Inelastic collision. 2 Discuss the collision in one dimension P129 3 Discuss the collision in two dimensions 3 P129 3 Give the differences between elastic collision and inelastic collision. P129 4 2 5 What is meant by Head on collision? P130 1 6 Match the following P133 3 **GROUP-A GROUP-B** 1. Work a. $K = \frac{1}{2}mv^2$ 2. Kinetic energy b. P = F.v3. Spring Constant c. E = K + V4. Power d. F = -kxMechanical energy 5. e. V = mgh6. Potential energy W = F.d7 Match the following P133 2 **GROUP-A GROUP-B** 1. Work a. $[MT^{-2}]$ 2. Potential energy b. $[ML^2T^{-2}]$ 3. Spring Constant c. $[ML^2T^{-2}]$ 4. Power d. $[ML^2T^{-2}]$

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Chapter wise Test papers for Class XI-Physics

8	Convert 1KWH into joules	P128	2	
9	What is the difference between the mass defect of a nuclear reaction with	P127	1	
	that of a chemical reaction?			

