Practice Question Set For GCSE

Subject: Physics

Paper-1 Topic: Energy (Low Demand)



Name of the Student:_ Max. Marks: 23 Marks Time: 23 Minutes Mark Schemes Q1. (a) $E = 15000 \times 36$ 1 E = 5400001 E = 540 (kJ)an answer of 540 (kJ) scores 3 marks 1 (the motor in) scooter **B** has a higher power (b) 1 therefore (because both motors have the same efficiency) scooter **B** will have a greater kinetic energy (c) the battery in scooter **B** has a greater store of chemical energy 1 (d) energy transferred = power x time allow $E = P \times t$ 1 20×60 (e) 1 $E = 1200 \times 700$ 1 $E = 840\ 000\ (J)$ an answer of 840 000 (J) scores 3 marks 1 [10] Q2. (a) thermometer 1 stopclock / stopwatch accept measuring cylinder accept top pan balance 1

