PHYSICS

SCIENCE Paper - 1

(One hour and a half)

Answers to this Paper must be written on the paper provided separately.

You will not be allowed to write during the first 15 minutes.

This time is to be spent in reading the Question Paper.

The time given at the head of this Paper is the time allowed for writing the answers.

Attempt all the questions from Section I and any four questions from Section II.

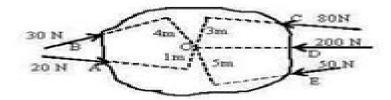
The intended marks for questions or parts of questions are given in brackets [].

SECTION I (40 Marks)

Attempt all questions from this Section.

Question 1

Derive the relation between C G S and S I unit of force. [2] (a) (b) Classify the following into contact and non contact forces 1. Tension 2 Friction 3 Gravitational force 4 Magnetic force. [2] Classify the following into levers as class I, class II or class III: (c) 1. A door 2 Catapult 3 Wheelbarrow 4 Fishing rod [2] (d) Where is the centre of gravity of the following objects situated? 1 Ring 2 Rhombus 3 Scalene triangle 4 Cylinder [2] Calculate the resultant torque from the following diagram: [2] (e)



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AW Rasmussen

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