
PHYSICS
SCIENCE Paper – 1

(3 hours)

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

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



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