



BANGWE EDUCATION CLUSTER

2022 MALAWI SCHOOL CERTIFICATE OF EDUCATION MOCK EXAMINATION

**PHYSICS
PAPER I
(100 marks)
Theory**

Thursday, 26th May, 2021.

Subject Number M164/1

**MARKING KEY
Section A (70 marks)**

1. a. micrometre screw gauge 1 (1 mark)
b. measure thickness of object with high precision 1 (1 mark)
c. Micrometer screw gauge Reading
= 3.5mm on the shaft scale + 33 divisions on the drum scale 1
= 3.5 mm + (32 × 0.01) mm 1
= 3.82 mm 1 (3 marks)
2. a. – help in making an observation and experiments possible 1
- It become the starting point for the investigation
- helps in verifying the observation
- It helps in directing the inquires in the right directions
any one point (1 mark)
b. Nuclear physics/ electricity and magnetism/ mechanics/ properties of matter/
oscillation and waves. 1 any one point (1 mark)
c. i. prevents heat loss by conduction 1 (1 mark)
ii. Prevent heat loss by radiation 1 (1 mark)
3. a. i. Pascals' principle 1 (1 mark)
ii. Pressure on small piston = $90\text{N} / 0.004\text{m}_2$
= 22 500N/m² 1
Force on large piston = pressure × area of large cylinder
= 22 500 N/m² × 0.024m² 1
= 540N 1 (3 marks)

Physical Science Msce 2015 Exams

Marco Cascella



Physical Science Msce 2015 Exams:

Physical Science Msce 2015 Exams Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has been apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Physical Science Msce 2015 Exams**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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