



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 = $90\text{N} / 0.004\text{m}_2$
 = $22\,500\text{N/m}_2$ 1
 Force on large piston = pressure × area of large cylinder
 = $22\,500\text{ N/m}_2 \times 0.024\text{m}_2$ 1
 = 540N 1 (3 marks)

Physical Science Msce 2015 Exams

Amir Poursaee



Physical Science Msce 2015 Exams:

Unveiling the Power of Verbal Beauty: An Mental Sojourn through **Physical Science Msce 2015 Exams**

In a global inundated with displays and the cacophony of fast communication, the profound energy and mental resonance of verbal beauty frequently diminish in to obscurity, eclipsed by the continuous onslaught of noise and distractions. Yet, situated within the musical pages of **Physical Science Msce 2015 Exams**, a interesting work of literary splendor that impulses with organic thoughts, lies an remarkable journey waiting to be embarked upon. Composed by a virtuoso wordsmith, this mesmerizing opus manuals readers on an emotional odyssey, lightly revealing the latent potential and profound affect embedded within the delicate internet of language. Within the heart-wrenching expanse of this evocative evaluation, we will embark upon an introspective exploration of the book is main themes, dissect their captivating writing fashion, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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