

URANGA PHYSICS JOINT EXAMINATION

232/3

FORM 3 PHYSICS

- Paper 3

PRACTICAL CONFIDENTIAL

JUNE 2021

It is the responsibility of the physics teacher to ensure that the following apparatus are available to every candidate:

QUESTION ONE:

- Vernier calipers (to be shared)
- Rectangular glass prism
- White sheet of paper
- Soft board.
- Protractor.
- 30 cm transparent ruler.
- Four optical pins.
- A metre-rule
- A stop watch
- Marble (diameter of marble should be approximately 1.75 cm)
- Watch glass (about 10 cm in diameter)
- Plasticine
- Micrometer screw gauge (to be shared)

QUESTION TWO

- A resistance wire mounted on millimeter scale (gauge 32) labeled PQ.
- Two new dry cells in a cell holder (each dry-cell should be 1.5 V)
- An ammeter (0 - 1 A).
- A voltmeter (range: 0 – 3 V or 0 – 5 V)
- A switch.
- Six connecting wires (at least two with a crocodile clip at one end)

NOTE: The teacher must not reveal to the students about the various sizes of the apparatus provided.