



**BEATTY SECONDARY
SCHOOL PRELIMINARY
EXAMINATION 2021**

SUBJECT : Physics

LEVEL : Sec 4E

PAPER : 6091 / 3

DURATION : 1 hour 50 min

SETTER : Mdm Lim Yi Wen

DATE : 17 Aug 2021

Question 1

- a half-metre rule with a small hook at the 50cm end and a hole drilled at 1.0cm,
- a 100g mass with a hook, labelled P,
- a pivot in the form of a knife-edge,
- a cork holding a pin,
- a length of string with loops at each end,
- a plastic pipe,
- two retort stands, bosses and clamps to support the cork and the plastic pipe,
- a metre rule,
- a set square,
- a retort stand, boss and clamp to support the metre rule,
- a 30cm ruler.

Question 2

- a power supply,
- a switch,
- a thermistor,
- connecting wires
- a 100 cm³ beaker
- a styrofoam cup to collect hot water
- a thermometer
- a voltmeter
- a ammeter.

Question 3

- a retort stand with boss and clamp
- a clamp
- a pendulum
- a split cork
- a metre rule