**FORM 3 END TERM 2, 2019**

**PHYSICS 232/3**

**PHYSICS CONFIDENTIAL**

 **QUESTION 1**

 Each candidate will require the following

- A retort stand, clamp and boss

- A spiral spring (k= 10 N /m)

- A stop watch

- Three 100g masses

- Three 50g masses

- 5 optical pins

- A rectangular glass block (100x 60x 18 mm)

- A white plain paper

- A soft board

- 4 thumb pins

 **QUESTION 2**

 Each candidate should be provided with

- Two dry cells size D 1.5V each.

- A voltmeter (0-5V) range

- An ammeter (0-1A) range

- A cell holder

- Five connecting wires

- Two crocodile clips

- A jockey

- A nichrome wire (SWG 32) mounted on a meter rule and labeled Q