2ND TERM PHYSICS PRACTICAL EXAMINATION

CLASS: SS2 TIME: 2HRS 30MIN

1. Connect the circuit as shown above
2. Close the key. Read and record the current I₀ when the jockey is not contact with AB.
3. Let J make contact with AB at C, such that AC = l = 25cm. Close the key, read and record the current I
4. Evaluate l⁻¹.
5. Repeat the procedure for four other values of l = 40, 55, 70 and 85cm. Tabulate your reading
6. Plot a graph of I on the vertical axis against l⁻¹ on the horizontal axis.
7. From your graph, deduce the value of I when l⁻¹ = 0. Evaluate I₀/I.
8. State 2 precaution taken to ensure accurate results.

b. State 4 properties of a wave (ii) Briefly explain any of the properties mentioned in b(i)