MODEL PAPER PHYSICS PRACTICAL

Intermediate Composite Examination, 2008 & Onward

Marks: 30 **Time 3:00 Hours**

Note: **The candidate will mark two experiments from each Section I and II. The examiner will allot one experiment out of marked experiments to perform one experiment from each Section.**

SECTION -I

Q.No.1. Calculate the weight of the body by the method of vector addition. **10**

Q.No.2. Determine the frequency of A.C by electric sonometer.

Q.No.3. Calculate refractive index of water by using concave mirror.

SECTION -II

Q.No.4. Determine the specific resistance of a wire by slide wire bridge. **10**

Q.No.5. Study the characteristics of semi conductor diode.

Q.No.6. Study the variation of photoelectric current with the intensity of light.

SECTION –III

Note: **The candidate will attempt one question from this section.** **5**

Q.No.7. Plot a graph from the data tabulated below and determine the resistance of voltmeter.

R (ohms)	0	480	800	1200	1700	2500
Potential (Volt)	0.3	0.35	0.40	0.45	0.50	0.60

Plot a graph from data below and find the stop of line.

C (farad)	0.1	0.15	0.20	0.25	0.30	0.35	0.40
I(mA)	4	6	8	10	12	14	16

Note Book **2**
Viva Voce **3**

Instructions to Examiners

Q.No.1. to 3.

Setting up of apparatus (2)

Taking of four observation (1)

Table with correct entries (2)

Formula used (1)

Calculation and result (if graph is asked) (2+2)= 4

Deduct ½ ,mark if unit of result is not correct.

Q.No.4. to 6.

Making of circuit diagram (shown to examiner) (1)

Making correct connections (2)

Tabulation of data with correct entries (2)

Formula used (1)

Calculation and result (if graph is asked) (2+2)= 4

V.V (3) (Questions should be asked relating to practical performed)

N.B (2) Two marks if the work is spread over two years.