School Code: _____
PRACTICAL EXAMINATION OF AISSCE 2026
Physics (042)

Class : XII   Max. Marks: 30
Date : _____   Time Allowed: _____

Q1. Two experiments one from each section   **(7+7 Marks)**

Section A

1. To determine resistivity of two / three wires by plotting a graph for potential difference versus current.
2. To find resistance of a given wire / standard resistor using metre bridge.
3. To verify the laws of combination (series) of resistances using a metre bridge.
4. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.

Section B

5. To find the focal length of a convex lens by plotting graphs between u and v or between 1/u and 1/v.
6. To find the focal length of a concave lens, using a convex lens.
7. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
8. To draw the I-V characteristic curve for a p-n junction in forward bias and reverse bias.

Q2.   Practical record [experiments and activities]   **(5 Marks)**

Q3.   One activity   **(3 Marks)**

1. To assemble the components of a given electrical circuit.
2. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.
3. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.

Q4.   Investigatory Project   **(3 Marks)**

Q5.   Viva on experiments, activities and project   **(5 Marks)**

Internal Examiner   **External Examiner**

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OASIS ID : _____   Examiner No: _____
School Code: _____   School Code: _____

Total number of students - _____ , practical exam conducted in _____ batch.