 **SINDHI HIGH SCHOOL, HEBBAL**

**ANNUAL PRACTICAL EXAMINATION- [2024-25]**

**Subject: Physics (042)**

**Class: XI Max. Marks: 30**

**Date : 20/01/25**

**Experiment 1 : 8**

**Experiment 2 : 8**

**Activity : 3**

**Record : 6**

**Viva : 5**

**Total : 30**

**SET I**

1. To find the weight of a given body using parallelogram law of vectors.

2. To find the force constant of a helical spring by plotting a graph between load and extension.

3. To determine mass of a given body using a metre scale by principle of moments.

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**Total : 30**

**SET II**

1. To study the relation between frequency and length of a given wire under constant tension using sonometer.

2. To determine volume of an irregular lamina using screw gauge.

3. To study the conservation of energy of a ball rolling down on an inclined plane

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**SET III**

1. To determine the surface tension of water by capillary rise method.

2. To measure diameter of a cylindrical body and to measure internal diameter and depth of a given beaker using Vernier Callipers and hence find its volume.

3. To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.

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**Viva : 5**

**Total : 30**

**SET IV**

1. To study the relationship between the temperature of a hot body and time by plotting a cooling curve

2. To determine radius of curvature of a given spherical surface by a spherometer.

3. To note the change in level of liquid in a container on heating and interpret the observations

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**Activity : 3**

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**Viva : 5**

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**SET V**

1. To determine the surface tension of water by capillary rise method.

2. To determine volume of an irregular lamina using screw gauge.

3. To observe and explain the effect of heating on a bi-metallic strip.

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**Experiment 2 : 8**

**Activity : 3**

**Record : 6**

**Viva : 5**

**Total : 30**

**SET VI**

1. To study the relationship between the temperature of a hot body and time by plotting a cooling curve

2. To find the weight of a given body using parallelogram law of vectors.

3 . To observe and explain the effect of heating on a bi-metallic strip.

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**Activity : 3**

**Record : 6**

**Viva : 5**

**Total : 30**

**SET VII**

1. To study the relation between frequency and length of a given wire under constant tension using sonometer.

2. To measure diameter of a cylindrical body and to measure internal diameter and depth of a given beaker using Vernier Callipers and hence find its volume.

3. To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm

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**Activity : 3**

**Record : 6**

**Viva : 5**

**Total : 30**

**SET VIII**

1. To find the force constant of a helical spring by plotting a graph between load and extension

2. To determine radius of curvature of a given spherical surface by a spherometer.

3. To observe change of state and plot a cooling curve for molten wax.