B.Sc Physics III semester (CBCS) Pattern

Question bank for Practical Examination

1. Determine co-efficient of thermal conductivity, K of the material of a bad conductor by Lee's method.
2. Measure the Stefan's constant, σ in laboratory using a black body radiator.
3. Determine specific heat of a liquid by applying Newton's law of cooling.
4. Determine heating efficiency of a given electrical kettle with varying voltages.
5. Calibrate a give thermocouple and find thermo electric power at a given temperature.
6. Draw cooling curve of a metallic body and analyse.
7. Study the temperature characteristics of a given resistance thermometer (Thermistor).
8. Determine the linear coefficient of thermal expansion of a given solid.
9. Study conversion of mechanical energy to heat.
10. Determine specific heat of a given graphite rod.

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