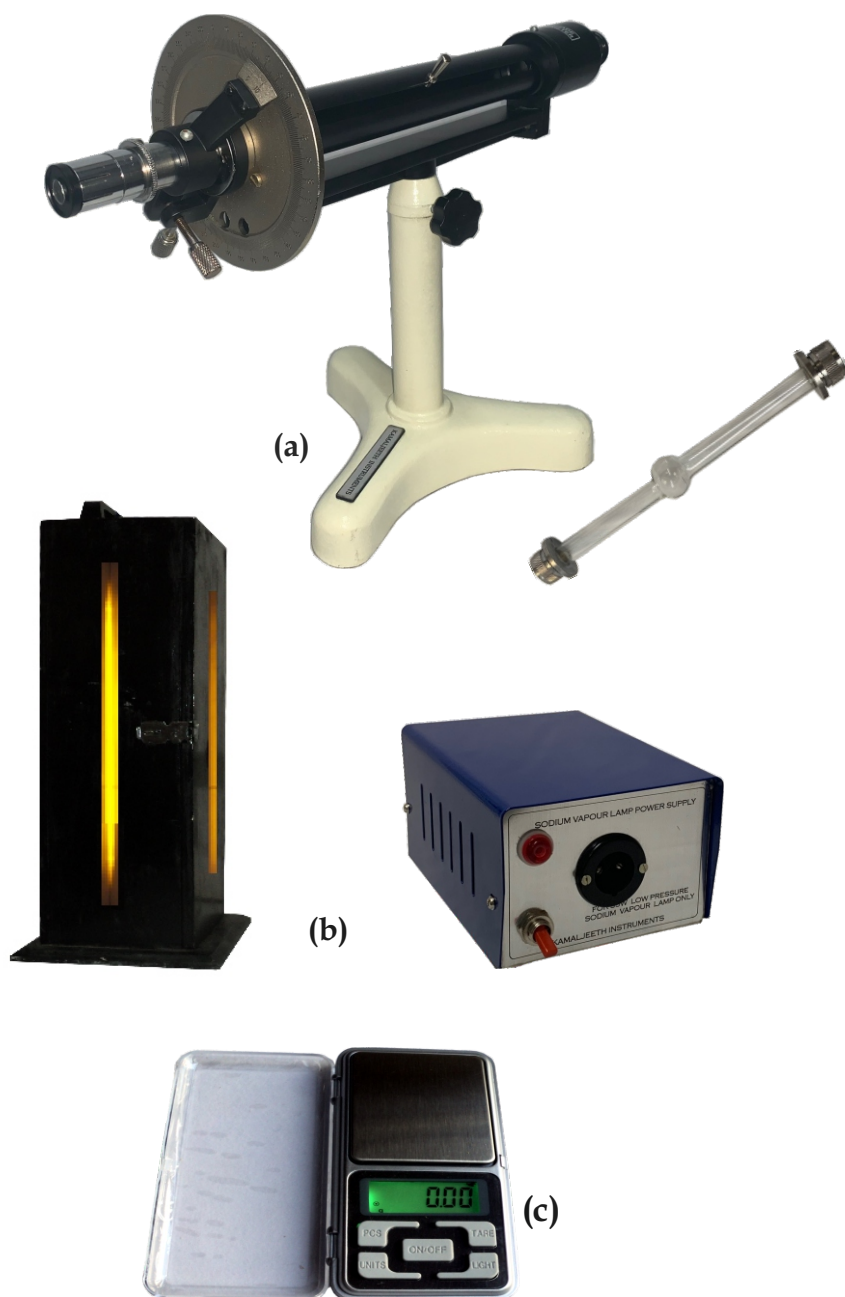


**Experiment(s):****1. Determination of Specific Rotation of Sugar Solution**

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))

**Experiment Setup Consists:**

- a) Polarimeter & Glass Tube
- b) Sodium Vapour Lamp Set
- c) Digital Balance (Optional)

**Specifications:****a) Polarimeter & Glass Tube**

Type: Half Shade  
 Base Material: Cast Iron  
 Moving Components: Brass  
 Scale: Vernier type graduated to 360°  
 LC: 0.1°  
 Rotation: Coarse and Fine  
 Focus: Adjustable at eye piece  
 Tube: Slot: Can accommodate tubes up to 220 mm

**b) Sodium Vapour Lamp Set (Optional)**

Lamp: Philips / Thorne 35W  
 Lamp House: Single Lamp type with fixed slit openings  
 Transformer: 35W, Instant ON type  
 Input: Mains operated 220V, 50Hz or 110V, 60Hz

**c) Digital Balance (Optional)**

Range: 200 gm  
 Resolution: 0.01 gm  
 Type: Pocket Scale  
 Power: Battery Operated

Reference : Lab Experiments Journal vol-15, No.4, Page-253



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