Grade 9 - Integrated Science Paper 2 (Practical)

Junior School Assessment

SECTION A:

Task 1: Demonstrating the Flow of Electric Current in Series and Parallel Circuits

Materials Needed:

1. Electrical cells (batteries)
2. Connecting wires
3. Switch
4. Light bulbs (at least 2)
5. Bulb holders
6. Wire cutter and stripper (if necessary)
7. Circuit diagram sheet (optional for guidance)

Instructions to the learner:

1. Work in groups and follow the given procedure carefully.
2. Observe and record the brightness of the bulbs in both circuits.
3. Compare how the current flows in series and parallel connections.
4. Answer the questions based on your observations.

Safety Measures:

1. Use only low-voltage batteries (avoid mains electricity).
2. Do not short-circuit the battery terminals (connect wires correctly to prevent overheating).
3. Handle bulbs carefully to avoid breakage and injuries.