

It was evident that candidates were well prepared for the question paper although some individual candidates showed blanks in their knowledge. This is possibly because of the choice of questions available to candidates. Candidates should be encouraged to study the entire syllabus.

## TOPICS

### ◆ **ELECTRICITY AND ELECTRONS IN ATOMS**

Candidates did not know what ideal means with respect to an 'ideal' transformer. Many thought (incorrectly) that a transformer will operate with direct current power source and that the soft Iron core conducts current between primary and secondary

### ◆ **WAVES AND LIGHT**

Single slit diffraction was relatively well answered but many candidates had problems with the terminology applicable to a wave diagram as well as to the movement of points on a wave.

### ◆ **ATOMIC STRUCTURE, BONDING AND INTERMOLECULAR FORCES**

This section was well answered although some candidates read kalsium (Afr) as Kalium (Afr)

### ◆ **ENERGY AND EQUILIBRIUM**

Although they know the terminology, learners did not know the meaning of terms such as activation energy, exothermic reaction. Attention needs to be given to the energy released or absorbed in the making and breaking of bonds.

### ◆ **ELECTROCHEMISTRY AND REDOX REACTIONS**

This section tended to clearly divided candidates into those who knew and understood the topic and those who did not.

### ◆ **PROPERTIES OF ELEMENTS AND ELECTROCHEMISTRY**

Because there is a choice of questions, it appears that candidates did not attempt this (the last question). Candidates that did attempt it, tended to do well. However they had difficulty in naming the reactants and product of the addition reaction in question 8.5.