

## **3.21 DRAWING AND DESIGN (449)**

### **3.21.1 Drawing and Design Paper 1 (449/1)**

#### **SECTION A (50 marks)**

Answer all the questions in this section on the answer sheet provided.

1 (a) Write the following in full as applied in industrial training:

(i) TVET;

(ii) NITA;

(iii) T.T.I.

(b) State two uses of a beam compass.

2 (a) Define the following terms as used in the design process:

(i) primary objective;

(ii) secondary objective;

(iii) design brief;

(iv) prototype.

(3 marks )

(b) With the aid of sketches, describe three types of dimensions in technical drawing.

3 State one use of each of the following computer components:

(i) keyboard;

(ii) mouse;

(iii) monitor;

(iv) hard disk.