

#### Question 4

- (a) Indicate whether each of the following drawings in figure 2 is a convention or a symbol. (2 marks)

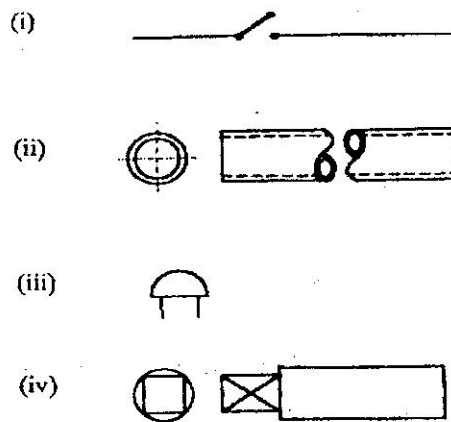


Figure 2

- (b) Construct triangle ABC whose perimeter is 180 mm and the sides are in the ratio of 2:3:4. Measure the smallest angle. (2 marks)

#### Weaknesses

In part (a) candidates showed limitation in basic conventions and symbols used in technical drawing. Quite a number gave responses that suggested guesswork. In part (b) some candidates did not use the appropriate procedure for drawing a triangle given perimeter and ratio of sides.

#### Expected Responses

- (a) (i) Symbol for a switch  
(ii) Convention for a shaft  
(iii) Symbol for socket outlet  
(iv) convention for rod with square end

#### Question 5

- (a) Construct a plain scale of 1:5 to read to an accuracy of 10 mm and measuring a maximum length 400 mm. Show a reading of 270 mm. (3 marks)