EXERCISE 10 (A)

- State whether or not the following elements form a set; if not, give reason:

(i) All the easy problems in your text book

Solution: No, a set cannot be formed here because the easy problems for someone can be difficult for others. The objects are not well defined.

(ii) All the 3 sided figures:
Solution: Yes, a set can be formed here.

(iii) The first five counting numbers:
Solution: Yes, a set can be formed here.

(iv) All the tall boys of your class.
Solution: No, a set can't be formed here, as it is not well-defined that tall from whom and by how much. The objects are not well-defined

(v) The last three days of a week.
Solution: Yes, a set can be formed here.

(vi) All triangles that are difficult to draw.
Solution: No, a set can't be formed here because all the triangles that are difficult to draw may be easy for anybody else. The objects are not well-defined.

(vii) The first three letters of the English alphabet.
Solution: Yes, a set can be formed here.

(viii) All tasty fruits.
Solution: No, a set can't be formed here because fruits can be tasty to someone but anybody may not be liking them. The objects are not well defined.

(ix) All the clever boys of class 6.

Solution: No, a set cannot be formed here because cleverness is not the measurement of their Inteligence. The objects are not well defined.

(x) All the good schools in Delhi

Solutions: No, a set can't be formed here because the parameter of good is not defined. The objects are not well defined.

(xi) All the girls in your class whose heights are less than your height

Solutions: Yes, a set can be formed here.

(xii) All the boys in your class whose heights are more than your height

Solutions: Yes, a set can be formed here.

(xiii) All the problems in your Mathematics book that are difficult for Amit.

Solutions: Yes, a set can be formed here.