

Ex. 10

1) Stat whether or not the followings elements form a set; if not, give reason.

- i) All the easy problems in your text book. No, some problems maybe easy for one person, but may not be easy to some other persons.
- ii) All the three sided figures. yes
- iii) The first five counting numbers. yes
- iv) All the tall boys of your class. No, for some people the tall boys could be more than 80 cm and for some

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people the tall boys would be more than 100 cm. So, it is not well-defined.

- i) The last three days of the week. yes.
- ii) All triangles that are difficult to draw. No, it may be difficult for some people and for some people the triangles are easy to draw.
- iii) All tasty fruits. No, some fruits maybe tasty for one person and some fruits maynot tasty for another person. So, it is not well-defined.
- iv) The first three letters of the English alphabet. yes
- v) All the clever boys of Class 6. No, some boys maybe clever for someone in something and others maybe clever for another person in another thing. So, it is not well-defined.
- vi) All the good schools in Delhi. No, some schools maybe good for someone and that school would be bad for

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another people. So, it is not well-defined.

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

xii) All the boys in your class in your class whose height are more than your height. yes

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