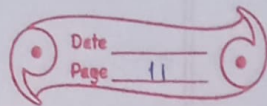


C10  
5.7.21

Ch-10

## Sets



### Sets -

A collection of well-defined objects.

### Exercise - 10 (A)

i) All the easy problems in your text book.

Ans- ~~No~~ No, it is not a set, because it might be easy for me but not for somebody else. So, it is not well-defined.

~~ii)~~

ii) All the three sided figures.

Ans- Yes, it is a set.

iii) The first five counting nos.

Ans- Yes, it is a set.

iv) All the tall boys of your class.

Ans- No, it's not a set because a well-defined ~~like~~ height range is not given.

v) The last three days of the week.

Ans- Yes, it is a set.

vi) All triangles that are difficult to draw.

Ans- No, it's not a set, because some triangles can be difficult for someone, while, those triangles can be easy for someone else. So, it's not well-defined.

vii) The first three ~~days~~ letters of the English alphabet.

Ans - Yes, it is a set.

viii) All tasty fruits.

Ans - No, it's not a set, because some fruits can be tasty for someone, while ~~some~~ those fruits cannot be tasty for someone else. So, it's not well-defined.

ix) All the clever boys of class B.

Ans - No, it's not a set, because the boys can be clever for someone, while those boys can't be clever for someone else. So, it's not well-defined.

x) All good schools in Delhi.

Ans - No, it's not a set, because <sup>some</sup> ~~the~~ schools are good for ~~some~~ someone, while those schools can't be good for someone else. So, it's not well-defined.

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

Ans - Yes, it is a set.

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

Ans - Yes, it is a set.



Q. All the problems in ~~your~~ your Mathematics books that are difficult for Amit.

Ans- Yes, it is a set.

H.W.  
5/9/21

Ch-9

Exercise-9(c)

Q. Find which of the following <sup>are</sup> ~~is~~ divisible by 11.

i) 5918

$$5 + 1 = 6$$

$$9 + 8 = 17$$

$$\begin{aligned} \text{Difference} &= 17 - 6 \\ &= 11 \end{aligned}$$

11 is divisible by 11.

So, 5918 is divisible by 11.

ii) 68717

$$6 + 7 + 7 = 20$$

$$8 + 1 = 9$$

$$\begin{aligned} \text{Difference} &= 20 - 9 \\ &= 11 \end{aligned}$$

11 is divisible by 11.

So, 68717 is divisible by 11.