If you are given a degree sequence it is called as graphic, if you can draw a simple graph G with that particular sequence,
(Refer Slide Time: 00:16)
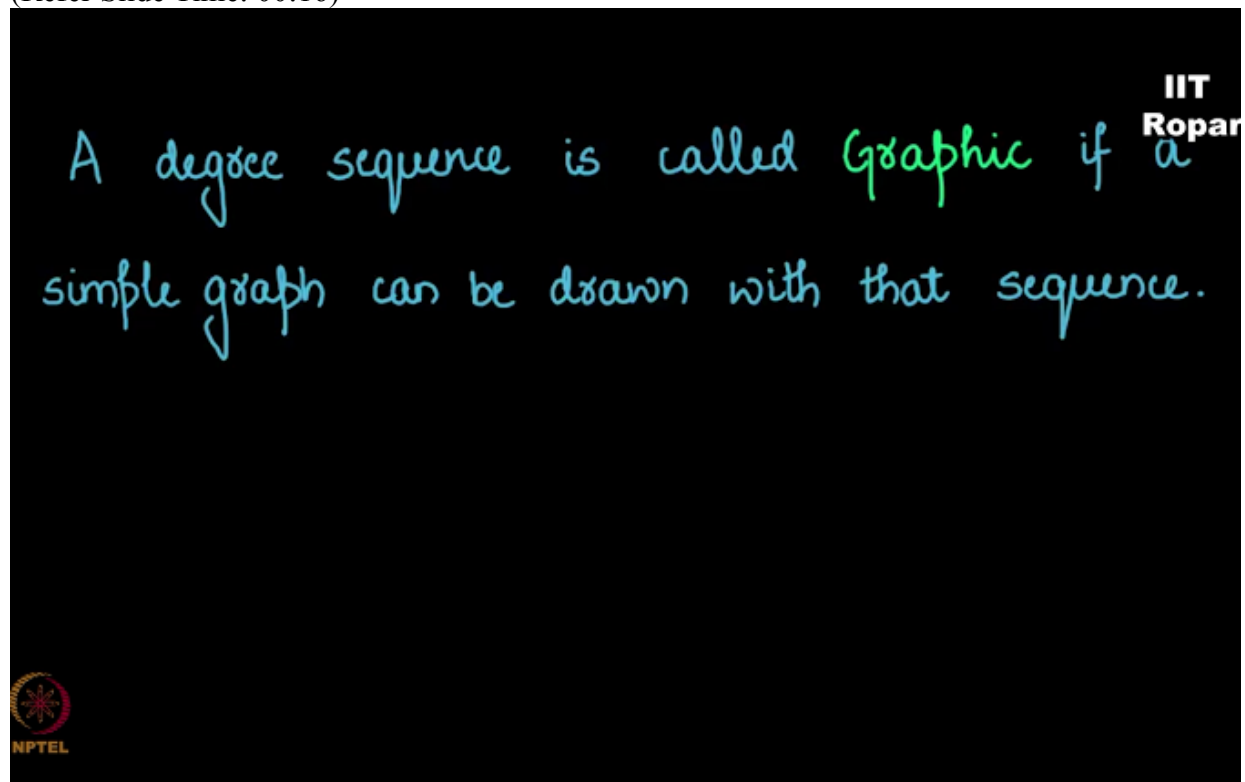
like the one which we just did now, 5, 5, 3, 3, 2, 2, 2, now this is a graphic sequence, 2, 2, 2, just 2, 2, 2, this is also a graphic sequence, why?
(Refer Slide Time: 00:29)

A degree sequence is called Graphic if a simple graph can be drawn with that sequence.

$$\langle 5,5,3,3,2,2,2 \rangle - \text{Graphic sequence}$$

$$\langle 2,2,2 \rangle - \text{Graphic sequence}$$

Because I can draw a graph, a simple graph on this sequence
(Refer Slide Time: 00:34)

so a sequence on which a graph can be drawn is called as a graphic sequence, keep this definition in mind, it will be helpful for the further videos.

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