

**Answer on Question#38644 – Math - Other**

Let  $n$  be the pumping-lemma constant, and consider  $Z = a^n b^n c^n$ . Using the pumping lemma

*If a language  $L$  is context-free, then there exists some integer  $p \geq 1$  such that every string  $s$  in  $L$  with  $|s| \geq p$  can be written as  $s = uvxyz$ .*

We can see that this language is not a context-free language and also context-sensitive.

**Answer:** C.