The subject of the thesis is the contemporary state of lexical pitch accents system in Serbian of Kosovska Mitrovica region. The theoretical background of the thesis is mainly based on Pavle Ivić's, Ilse Lehiste's, Asim Peco's and Svetlana Godjevac's papers. The thesis briefly outlines the development of Serbian lexical pitch accents and discusses the contemporary state of the system from the above mentioned authors' perspective. On the basis of recordings of texts read by native speakers from Kosovska Mitrovica the thesis describes the system of pitch accents in the region. By measuring the course of F0 in stressed and following syllables the thesis analyses the realization of respective types of lexical pitch accents, their mutual similarities and differences. With regards to these results the thesis makes conclusions about the state of the system in the region.