Abstract: Destruction and accumulation of copper and zinc in various organ of the common carp, Cyprinus carpio were examined by chemically and histopathologically. In this study were used 1, 2 and 3 mg/l Copper and Zinc concentration during 7, 12, 15, 20 and 25th days. As chemically, there were found an increasing of accumulation of copper and zinc of five specimen tissue during the test period. The highest copper accumulations were noted in kidney, followed in order by the liver, gill, ovary, and muscle. Kidney accumulation was about 2.0 to 3.0 fold higher than that of muscle tissue. As histopathologically, it was arranged the same concentrations and test periods. There were seen an increase of destruction in five specimen tissue of common carp connected with exposure period. The following relationship of copper in between the common carp (Cyprinus carpio) tissues of destruction were seen as; Kidney > Liver, > Gill > Intestine > Ovary > Muscle, and destruction of zinc between the fish tissues were observed. Liver > Kidney > Gill > Intestine > Ovary > Muscle.

Key words: Common carp. Zinc, Copper, fish tissue.

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