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LENGTH-WEIGHT RELATIONSHIP AND CONDITION FACTOR OF *LABEO ROHITA* (CYPRINIDAE) IN PAHUJ RESERVOIR, JHANSI, U.P., INDIA

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ABSTRACT – The length-weight relationship and condition factor of three hundred and sixty one adult *Labeo rohita* fishes in Pahuj reservoir, Jhansi were investigated. The value of regression coefficient for the length-body weight relationship was calculated to be 2.97 ±0.063 (±95% CL). This suggests almost an isometric growth form in all the specimen sampled because the values are very close to 3. The coefficient of correlation (r2) was calculated to be equal to 0.98 (i.e. > 0.9), which suggests that the two variables, (length and weight) are highly correlated. The p value was < 0.0001, which means that the correlation between the two variables is highly significant in all samples. The mean 'condition factor' (K) of the species was computed to be equal to 1.60 suggesting that the specimens were in good condition or health.

Keywords : Length-weight relationship, condition factor, *Labeo rohita*, Pahuj reservoir.