



# DIRECTORATE OF DISTANCE EDUCATION

L.N. Mithila University, Kameshwaranagar, Darbhanga-846008 (BIHAR)

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## M.Sc. (Zoology) Assignment, June, 2023 Final Year

प्रत्येक प्रश्नों का उत्तर 800 शब्दों में दें।

### COURSE CODE: ZOO109

1. Describe the Ultra structure and functions of Golgi Complex.
2. Give an account of single stranded and multi stranded hypotheses of chromosome structure.
3. Describe the cytological characters of aging cells and discuss the theories of aging.

### COURSE CODE: ZOO110

1. Discuss C-value paradox and repetitive DNA sequence.
2. Describe the Edman's degradation method of Protein Sequencing.
3. Describe the procedure and applications of Polymerase Chain reaction.

### COURSE CODE: ZOO111

1. Describe variation in chromosome number and their genetic consequences.
2. Describe the various types of vectors and their role in recombinant DNA technology.
3. Give an account of allopatric and sympatric modes of speciation.

### COURSE CODE: ZOO113

1. Describe female reproductive organs in fishes.
2. Describe the structure and functions of electric organs in fishes.
3. Give an account of different bacterial diseases in fishes and add a note on their control.

### COURSE CODE: ZOO114

1. Write an essay on Pearl Culture.
  2. Write an essay on migration in fishes.
  3. Write an essay on the status of aquaculture in India.
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**Note: Last date of Assignment submission (By Post only) - 20.05.2023**

**Send only by Post. (Postal Address:- Director, Directorate of Distance Education, L.N. Mithila University, Denvi Road, Darbhanga- 846004)**