



**KUVEMPU UNIVERSITY**  
**OFFICE OF THE DIRECTOR**  
**DIRECTORATE OF DISTANCE EDUCATION**



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**TOPICS FOR INTERNAL ASSESSMENT ASSIGNMENTS (2010–11)**

**M.Sc. ZOOLOGY (Previous)**

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*Note: Students are advised to read the separate enclosed instructions before beginning the writing of assignments.*

*Out of 15 Internal Assignment marks per paper, 5 marks will be awarded for regularity (attendance) to Counseling/ Contact Programme/ Practical classes pertaining to the paper. Therefore, the topics given below are only for 10 marks each paper.*

**Paper I: Animal Forms and Functions and Ecobiology**

1. Write an essay on ciliary and flagellary locomotion in protozoa. **05 Marks**

**OR**

Briefly explain the brain in vertebrates.

2. Write an essay on urino genital system in vertebrates. **05 Marks**

**OR**

Write an essay on population interactions.

**Paper II: Physiology and Biological Chemistry**

1. Comment on osmoregulation and excretion in mammals. **05 Marks**

**OR**

Write an essay on circulation in vertebrates.

2. Give an account of nucleic acids. **05 Marks**

**OR**

Describe the properties and chemistry of proteins.

**Paper III: Parasitology and Animal Behavior**

1. Write the habitat and life history of pathogens transmitted by mosquito. **05 Marks**

**OR**

Write a note on life cycle of Wucheria species.

2. Explain the social organization in honey bees. **05 Marks**

**OR**

Write an essay on biological rhythms.

**Paper IV: Cytogenetics and Developmental Biology**

1. Give a detailed account of linkage and crossing over of chromosomes. **05 Marks**

**OR**

Comment on Origin of life

2. Describe the genetic basis of differentiation and morphogenesis of Drosophila **OR** **05 Marks**

Justify Amphibian metamorphosis is a hormonal reactivation of development process.

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