



**KUVEMPU UNIVERSITY**  
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**DIRECTORATE OF DISTANCE EDUCATION**  
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**TOPICS FOR INTERNAL ASSESSMENT ASSIGNMENTS (2009-10)**  
**M.Sc. ZOOLOGY (Final Year)**

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

*Out of 25 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 20 marks each paper.*

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**Paper 5: Aquaculture and Wildlife Studies**

1. Explain induced breeding in fishes. **05Marks**  

*OR*

Write an account on various types of the fish preservation practices, transport and marketing services.
  
2. Describe the salient features of Wild Life Protection Act 1972. **05Marks**  

*OR*

Write an essay on nesting behaviour in Baya Birds.

**Paper 6: Environmental Pollution and Toxicology**

1. Write an essay on basic elements of EIA. **05Marks**  

*OR*

Write in detail about the sources of Noise pollution, effects on man, and their control measures.
  
2. Write a note on Biotransformation of pesticides with example. **05Marks**  

*OR*

Write a note on Plant and Animal Toxins.

**Paper 7: Apiculture and Sericulture**

1. Explain the diseases of honey bees and their control measures. **05Marks**  

*OR*

Describe the extraction, processing, composition and medicinal value of the honey.
  
2. Give an account of characteristics features of different geographical crises and add a note on Indian bivoltine and multivoltine races of silk worm **05Marks**  

*OR*

Explain the life cycle of silkworm *Bombyx mori* with illustrated diagram.

**P.T.O.**

**Paper 8: Molecular Biology and Biotechnology**

1. Explain in detail the transcription in prokaryotes and eukaryotes. **05 Marks**

***OR***

Explain in detail the gene regulation in prokaryotes and eukaryotes.

2. What are transgenic animals? What are the advantages of genetically engineering embryonic stem cells in creating transgenic animals? **05 Marks**

***OR***

Gene therapy is the new technology to cure human diseases -  
Substantiate.

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