
  
**DRAVIDIAN UNIVERSITY**  
*Directorate of Distance Education (DDE)*  
**KUPPAM – 517 426:: A.P.**  
**Course: II year MSC (Zoology)**  
**Paper – I Cell Biology and Immunology**  
**Question Paper for Assignment**

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Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Write essay pm Programmed cell Death (Apoptosis)?
2. Give a brief account on c-Amp Pathway?
3. Discuss the Immune system organs?
4. Write essay on cells of the Immune System?
5. Give a brief account on Immunological Disorders?


  
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**Paper – II Molecular biology**  
**Question Paper for Assignment**

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Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Give a brief account on DNA damage and Repair?
2. Write essay on DNA Polymerases?
3. Discuss the Lac Operon?
4. Write essay on Role of antibiotics in Protein Synthesis?
5. Give a brief account on cDNA Library?


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**Paper – III -Animal Biotechnology and Microbiology**  
**Question Paper for Assignment**

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Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Write essay on Transgenic animals?
2. Discuss the Embryo Transfer technology?
3. Give a brief account on In vitro Fertilization?
4. Write essay on AIDS?
5. Describe the Gene therapy?


  
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**Paper – IV –Environmental biology**  
**Question Paper for Assignment**

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Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Describe the Biological magnification?
2. Discuss the Environmental Monitoring?
3. Write essay on Environmental laws?
4. Write essay on water Pollution?
5. Describe the Phytoremediation?

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**Course: II year MSC (Zoology)**  
**Paper – V –Neurobiology**

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Answer any **THREE** of the following **FIVE** Questions.

3x10=30

1. Discuss the Neurotransmitters?
2. Describe the Sodium Potassium Pump?
3. Write essay on Stimulants (Caffeine & Nicotine)?
4. Give a brief account on Parkinson's disease?
5. Write essay on Alzheimer's disease?