



# TAMIL NADU OPEN UNIVERSITY

Chennai-15

Department of Zoology

School of Sciences

## HOME/SPOTASSIGNMENT

Programme Code & Subject	:	BZOOS – 51 Cell biology
Batch	:	AY2022 –23
No.of Assignment	:	One Assignment for Each 2 Credits
Maximum CIA marks	:	30(Average of Total No .of Assignment)

## ASSIGNMENT-1

**Answer any one question not exceeding 1500 words**

- 1) Discuss about the structure and functions of eukaryotic cell.
- 2) Explain about the Krebs cycle and its significance.
- 3) Write an essay about the structure and functions of nucleus.



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Programme Code & Subject : BZOOS 51 Cell biology  
Batch : AY2022 -23  
No. of Assignment : One Assignment for Each 2 Credits  
Maximum CIA marks : 30 (Average of Total No. of Assignment)

## ASSIGNMENT-2

**Answer any one question not exceeding 1500 words**

- 1) Explain the structure of plasma membrane.
- 2) Write an essay on ribosomes.
- 3) Discuss about polytene chromosomes



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Sciences

### HOME/SPOT ASSIGNMENT

Programme Code & Subject : BZOOSE-51 Aquaculture  
Batch : AY2022-23  
No. of Assignment : One Assignment for Each 2  
Credits Maximum CIA marks : 30 (Average of Total No. of Assignment)

### ASSIGNMENT-1

**Answer any one question not exceeding 1500 words**

- 1) Write an essay on Aquaculture production trends.
- 2) Discuss about Extensive, Intensive, Semi intensive and composite culture.
- 3) Write elaborately on Marketing aquatic products.



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### HOME/SPOT ASSIGNMENT

Programme Code & Subject : BZOOSE-51 Aquaculture

Batch : AY2022-23

No. of Assignment : One Assignment for Each 2 Credits

Maximum CIA marks : 30 (Average of Total No. of Assignment)

### ASSIGNMENT-2

**Answer any one question not exceeding in 1500 words:**

- 1) Write an essay on Importance of aquaculture.
- 2) Discuss about Integral fish farming.
- 3) Give an account of common species for ornamental fish culture.



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## HOME/SPOT ASSIGNMENT

Programme Code & Subject	:	BZOOS–52 Genetics and Evolution
Batch	:	AY 2022 – 23
No. of Assignment	:	One Assignment for Each 2 Credits
Maximum CIA marks	:	30 (Average of Total No. of Assignment)

### Assignment -1

**Answer any one question not exceeding 1500 words**

1. Write an essay about Mendelian inheritance and Mendelian laws.
2. Explain elaborately about blood groups in man.
3. Discuss about the theory of Natural selection.



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## HOME/SPOT ASSIGNMENT

Programme Code & Subject : BZOOS–52 Genetics and Evolution  
Batch : AY 2022 – 23  
No. of Assignment : One Assignment for Each 2 Credits  
Maximum CIA marks : 30 (Average of Total No. of Assignment)

## ASSIGNMENT–2

**Answer one question not exceeding 1500 words**

- 1) Write an essay about the cytological proof of Crossing over and its significance.
- 2) Discuss about the structural chromosome aberrations.
- 3) Elaborate the theory of natural selection.



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### HOME/SPOT ASSIGNMENT

Program Code & Subject	:	BZOOS-53 Developmental Biology and Biotechnology
Batch	:	AY2022 -23
No. of Assignment	:	One Assignment for Each 2 Credits
Maximum CIA marks	:	30 (Average of Total No. of Assignment)

### ASSIGNMENT- 1

**Answer any one question not exceeding 1500 words**

- 1) Discuss about Spermatogenesis and Oogenesis in Vertebrates.
- 2) Give an account on the development of Brain.
- 3) Write an essay on applications of recombinant DNA technology.



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**HOME/SPOT ASSIGNMENT**

Programme Code & Subject	:BZOOS-53 Developmental Biology and Biotechnology
Batch	:AY2022 -23
No. of Assignment	:One Assignment for Each 2 Credits
Maximum CIA marks	:30(Average of Total No .of Assignment)

**ASSIGNMENT- 2**

**Answer any one question not exceeding 1500 words**

- 1) Discuss about types of egg and cleavage patterns.
- 2) Give an account of in vitro fertilization and embryo transfer.
- 3) Write an essay on Gene library.