



# TAMILNADU OPEN UNIVERSITY

Chennai - 15

School of Sciences

Department of Zoology

HOME / SPOT ASSIGNMENT

Programme Code No : 184

Programme Name : II B.Sc., Zoology

Course Code & Name : BZOO1-1A - General Chemistry (Allied-II)

Batch : AY 2019-20

No. of Assignment : One Assignment for Each 2 Credits

Maximum CIA marks: 25 (Average of Total No. of Assignments)

## ASSIGNMENT – 1

Max :25 marks

**Answer any one of the question not exceeding 1000 words**

1) Discuss about the following

- Autocatalysts
- Positive/Negative catalysts
- Homogeneous/Heterogeneous catalysts
- Natural rubber

2) Describe in details about the Volumetric analysis.

3) Write short notes on Chemical bonds with its types.

## ASSIGNMENT – 2

Max :25 marks

**Answer any one of the question not exceeding 1000 words**

1) Write about the storage and handling of the following

- Vaporizable chemicals
- Inflammable chemicals
- Carcinogenic chemicals
- Poisonous chemicals

2) Discuss the following.

- Standard solution
- Indicators
- Titration
- Equivalent/End points

3) Discuss in details about the Mass units and purification of Organic compounds with examples.

### **ASSIGNMENT – 3**

Max :25 marks

**Answer any one of the question not exceeding 1000 words**

1) Discuss in details about the Polythene, Polystyrene, Teflon and Buna–S rubber.

2) Describe the following with examples.

- Addition reaction
- Elimination reaction
- Substitution reaction
- Rearrangement reaction

3) Describe in details about the Chemical bonds.

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Programme Code No : 184  
Programme Name : II B.Sc., Zoology  
Course Code & Name: BZOO2-2 Vertebrate Zoology  
Batch : AY 2019-20  
No. of Assignment : One Assignment for Each 2 Credits  
Maximum CIA marks: 25 ( Average of Total No. of Assignments )

**ASSIGNMENT – 1**

Max :25 marks

**Answer any one of the question not exceeding 1000 words**

- 1) Explain the general classification and salient features of Hemichordata.
- 2) Detail account of the parental care of amphibia.
- 3) Discuss the circulatory and respiratory system of shark.

**ASSIGNMENT – 2**

Max :25 marks

**Answer any one of the question not exceeding 1000 words**

- 1) Detail account of the general classification of reptiles.
- 2) Explain the general adaptations of calotes.
- 3) Explain the identification of poisonous and non-poisonous snakes.

**ASSIGNMENT – 3**

Max :25 marks

**Answer any one of the question not exceeding 1000 words**

- 1) Explain the general classification of mammals.
- 2) Describe the distribution, habitat and external features of *Calotes versicolor*
- 3) Elaborate the salient features of Archaeopteryx and it's evolutionary significance

**ASSIGNMENT – 4**

Max :25 marks

**Answer any one of the question not exceeding 1000 words**

- 1) Describe the dentition in mammals.
- 2) Explain the flight adaptations in birds.
- 3) Elaborate the flying mammals.