



TAMIL NADU OPEN UNIVERSITY

Chennai - 15
School of Science

ASSIGNMENT - 1

Programme Code No	: 184
Programme Name	: B.Sc., Zoology
Course Code & Name	: ZOO1-1 Invertebrate Zoology
Batch	: AY 2018-19
No. of Assignment	: One Assignment for Each 2 Credits
Maximum Marks	: 100
Weightage	: 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 1) Give an account of binominal nomenclature of animals
- 2) Describe the major class of sarcodina
- 3) Explain the structure of canal system
- 4) Write about the polymorphism of coelenterates?

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 1) Explain the life cycle of *Plasmodium vivax*
- 2) Detail account of parasitic protozoans
- 3) Discuss the general characteristics of coral reefs



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ASSIGNMENT - 2

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Course Code & Name	: ZOO1-1 Invertebrate Zoology
Batch	: AY 2018-19
No. of Assignment	: One Assignment for Each 2 Credits
Maximum Marks	: 100
Weightage	: 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 1) Describe the general characteristics of platyhelminthes
- 2) Comment on the followings
a) *Wuchereria bancrofti* b) *Ancylostoma duodenale*
- 3) Explain the structure of trochophore larva and its phylogenetic importance
- 4) Write about the affinities of peripatus?

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 1) Detail account of the elementary ideas of parasitic adaptations in helminthes
- 2) Explain the major classes of phylum annelid
- 3) Explain the life history of penaeus



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ASSIGNMENT - 3

Programme Code No : 184
Programme Name : B.Sc., Zoology
Course Code & Name : ZOO1-1 Invertebrate Zoology
Batch : AY 2018-19
No. of Assignment : One Assignment for Each 2 Credits
Maximum Marks : 100
Weightage : 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 1) Write about various developmental stages of earthworm?
- 2) Explain the geological significance of phylum mollusca
- 3) Explain the structure and function of respiration in freshwater mussel
- 4) Describe the general classification of mollusca

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 1) Explain the water vascular system of starfish
- 2) Discuss the echinoderm larvae and their significance
- 3) Explain the appendages of penaeus



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ASSIGNMENT - 4

Programme Code No : 184
Programme Name : B.Sc., Zoology
Course Code & Name : ZOO1-1 Invertebrate Zoology
Batch : AY 2018-19
No. of Assignment : One Assignment for Each 2 Credits
Maximum Marks : 100
Weightage : 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

- 1) Write about the structure of sycon sponge?
- 2) What is meant by coral reef? Explain its types
- 3) Explain the symptoms of filariasis
- 4) Describe the physiological adaptation of helminthes

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

- 1) Discuss the classes of phylum protozoa
- 2) Explain the life cycle of *Taenia solium*
- 3) Explain the general characteristic and classification of phylum arthropoda



TAMILNADU OPEN UNIVERSITY

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School of Science
Department of Botany

ASSIGNMENT - 1

Programme Code No :184
Programme Name :B.Sc., Zoology
Course Code & Name :BBOT-11 General Botany
Batch : AY 2018-19
No.of Assignment : One Assignment for Each 2 Credits
Maximum Marks : 100
Weightage : 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

1. Explain Binomial nomenclature
2. Sketch the structure of Anther
3. Describe Absorption of water
4. Give an account on energy flow

Part – B (2 x 30 = 60 Marks)

5.

Answer **any two** of the questions given below in 1000 words each.

1. Outline Bentham and Hooker Classification
2. Give a detailed account on structure and types of ovule
3. Write an account on Air pollution



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School of Science
Department of Botany

ASSIGNMENT - 2

Programme Code No :184
Programme Name :B.Sc., Zoology
Course Code & Name :BBOT-11 General Botany
Batch : AY 2018-19
No.of Assignment : One Assignment for Each 2 Credits
Maximum Marks : 100
Weightage : 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

1. Write about Natural Classification
2. Describe Photorespiration with example
3. Explain the components of ecosystem
4. Describe testcross and back cross with suitable example

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

1. Describe the families Annonaceae and Euphorbiaceae
2. Explain the role of Micro and Macro – nutrients in plant physiology
3. Give an account on Law of segregation and independent assortment with examples



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ASSIGNMENT - 3

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Batch : AY 2018-19
No.of Assignment : One Assignment for Each 2 Credits
Maximum Marks : 100
Weightage : 25%

Part – A (4 x 10 = 40 Marks)

Answer the following in 200 words each. Each question carries 10 marks

1. Explain Embryo rescue
2. Outline the Dark reaction
3. Give an account on Fresh water ecosystem
4. Describe Linkage and crossing – over with diagram

Part – B (2 x 30 = 60 Marks)

Answer **any two** of the questions given below in 1000 words each.

1. Write the family description of Fabaceae and Liliaceae
2. Give detailed account on Light reaction
3. Describe Water Pollution