

**(DZOO01)**

**ASSIGNMENT - 1**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2019**

**First Year**

**ZOOLOGY**

**Systematics and Anatomy of Invertebrates**

**MAXIMUM : 30 MARKS**

**ANSWER ALL QUESTIONS**

- Q1)** a) Give a detailed account on the development of sponges.  
b) Write short notes on  
i) Reproduction in protozoa.  
ii) General characters of Porifera.
- Q2)** a) Give an account on general organization of nemathelminths.  
b) Write short notes on  
i) Parasitic adaptations of cestodes.  
ii) Polymorphism in coelenterates.
- Q3)** a) Give an account on general organization of annelida.  
b) Write short notes on  
i) Significance of trochophore larva.  
ii) General characters of arthropoda.

**(DZOO01)**

**ASSIGNMENT - 2**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2019**

**First Year**

**ZOOLOGY**

**Systematics and Anatomy of Invertebrates**

**MAXIMUM : 30 MARKS**

**ANSWER ALL QUESTIONS**

- Q1)** a) Give an account on larval forms in echinoderms.
- b) Write short notes on
- i) Classification of mollusca.
  - ii) General characters of echinodermata.
- Q2)** a) Give an account on general organization of Rotifera.
- b) Write short notes on
- i) Chaetognatha
  - ii) Ectoprocta.



**(DZOO02)**

**ASSIGNMENT - 1**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2019**

**First Year**

**ZOOLOGY**

**Systematics & Anatomy of Chordates & Gamete Biology**

**MAXIMUM : 30 MARKS**

**ANSWER ALL QUESTIONS**

**Q1)** a) Give an account on specialized characters of Cephalochordata.

b) Write short notes on :

i) Urochordata.

ii) General characters of chordates.

**Q2)** a) Give an account on migration of fishes.

b) Write short notes on :

i) General characters of Amphibia.

ii) Non – poisonous snakes.

**Q3)** a) Give an account on adaptation of birds to flight.

b) Write short notes on :

i) Classification of birds.

ii) Archaeopteryx.

**(DZOO02)**

**ASSIGNMENT - 2**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2019**

**First Year**

**ZOOLOGY**

**Systematics & Anatomy of Chordates & Gamete Biology**

**MAXIMUM : 30 MARKS**

**ANSWER ALL QUESTIONS**

**Q1)** a) Give an account on aquatic adaptations of mammals.

b) Write short notes on :

i) General characters of mammals.

ii) South Indian mammals.

**Q2)** a) Give an account on fertilization.

b) Write short notes on :

i) Sperm.

ii) Vitelogenesis.



**(DZOO03)**

**ASSIGNMENT - 1**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2019**

**First Year**

**ZOOLOGY**

**Cell Biology, Genetics and Evolution**

**MAXIMUM : 30 MARKS**

**ANSWER ALL QUESTIONS**

- Q1)** a) Give an account on golgi complex.
- b) Write notes on
- i) Mitochondria
  - ii) Cell membrane
- Q2)** a) Give a detailed account on DNA structure.
- b) Write short notes on
- i) Messenger RNA
  - ii) t - RNA
- Q3)** a) Give an account on gaint chromosomes.
- b) Write short notes on
- i) Meiosis
  - ii) Abnormalities in Chromosomes.

**(DZOO03)**

**ASSIGNMENT - 2**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2019**

**First Year**

**ZOOLOGY**

**Cell Biology, Genetics and Evolution**

**MAXIMUM : 30 MARKS**

**ANSWER ALL QUESTIONS**

- Q1)** a) Give an account on sex determination.
- b) Write short notes on
- i) Interaction of genes
  - ii) Multiple alleles
- Q2)** a) Give a detailed account on various species concepts.
- b) Write short notes on
- i) Modern synthetic theory.
  - ii) Hardyweinberg law.



**(DZOO04)**

**ASSIGNMENT - 1**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2019**

**ZOOLOGY**

**First Year**

**Animal Ecology and Wildlife**

**MAXIMUM : 30 MARKS**

**ANSWER ALL QUESTIONS**

- Q1)** a) Give an account on thermal stratification of natural water bodies.
- b) Write short notes on
- i) Life supporting properties of water
  - ii) Classification of ecosystems
- Q2)** a) Give an account on biogeochemical cycle of nitrogen.
- b) Write short notes on
- i) Concept of productivity
  - ii) Shelford's law of tolerance
- Q3)** a) Give an account on competition and coexistence.
- b) Write short notes on
- i) Commensalism
  - ii) Predation

**(DZOO04)**

**ASSIGNMENT - 2**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2019**

**ZOOLOGY**

**First Year**

**Animal Ecology and Wildlife**

**MAXIMUM : 30 MARKS**

**ANSWER ALL QUESTIONS**

**Q1)** a) Give an account on properties of population group.

b) Write short notes on

i) Population control.

ii) r and k selection

**Q2)** a) Give an account on wild life projects in India.

b) Write short notes on

i) Wildlife trade

ii) WWF

