

**(DZOO01)**

**ASSIGNMENT-1**  
**M.Sc. DEGREE EXAMINATION, MAY – 2018**  
**(First Year)**  
**ZOOLOGY**  
**MAXIMUM MARKS:30**  
**Answer ALL Questions**

- Q1)** a) Give an account on development in sponges.  
b) Write short notes on :  
i) General characters of protozoa.  
ii) General characters of porifera
- Q2)** a) Give an account on the general organization of phylum Nematelminthes.  
b) Write short notes on :  
i) Polymorphism  
ii) Parasitic adaptations of Trematodes.
- Q3)** a) Give an account on the evolutionary significance of Trochophore larve.  
b) Write short notes on :  
i) Polychaeta.  
ii) General characters of arthropoda.

**(DZOO01)**

**ASSIGNMENT-2**  
**M.Sc. DEGREE EXAMINATION, MAY – 2018**  
**(First Year)**  
**ZOOLOGY**

**MAXIMUM MARKS:30**  
**Answer ALL Questions**

- Q1)** a) Give a detailed account on the general organization of mollusca.  
b) Write short notes on :  
i) Bipinnaria larva.  
ii) Ophiopluteus larva.
- Q2)** a) Give a detailed account on the general organization of chaetognatha.  
b) Write short notes on :  
i) Ectoprocta.  
ii) Rotifera.



**(DZOO02)**

**ASSIGNMENT-1**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2018**

**First Year**

**ZOOLOGY**

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

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) Give an account on the general characters and classification of hemichordata.  
b) Write short notes on  
i) Urochordata  
ii) General characters of chordates
- Q2)** a) Describe the general characters and classification of amphibia.  
b) Write short notes on  
i) Parental care in fishes.  
ii) Non – poisonous snakes
- Q3)** a) Give a detailed account on the significance of Archaeopteryx.  
b) Write short notes on  
i) Common birds of India.  
ii) Flightless birds

**(DZOO02)**

**ASSIGNMENT-2**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2018**

**First Year**

**ZOOLOGY**

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

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) Give a detailed account on south Indian mammals.  
b) Write short notes on  
i) Aquatic adaptations of mammals.  
ii) General characters of mammals.
- Q2)** a) Give an account on gametogenesis.  
b) Write short notes on  
i) Telolecithal egg  
ii) Fertilization



**(DZOO03)**

**ASSIGNMENT-1**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2018**

**First Year**

**ZOOLOGY**

**Cell Biology, Genetics and Evolution**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) Give an account on plasma membrane.  
b) Write short notes on  
i) Cell membrane  
ii) Golgi complex
- Q2)** a) Give a detailed account on the DNA structure.  
b) Write short notes on  
i) Protein synthesis  
ii) Ribosomal RNA
- Q3)** a) Give an account on Abnormalities of the Chromosomes.  
b) Write short notes on  
i) Chromosome structure  
ii) Mitosis

**(DZOO03)**

**ASSIGNMENT-2**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2018**

**First Year**

**ZOOLOGY**

**Cell Biology, Genetics and Evolution**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) Write an essay on interaction of genes.  
b) Write short notes on  
i) Sex determination  
ii) Multiple alleles
- Q2)** a) Give a detailed account on modern synthetic theory.  
b) Write short notes on  
i) Species concept  
ii) Hardyweinberg law

**(DZOO04)**

**ASSIGNMENT-1**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2018**

**First Year**

**ZOOLOGY**

**Animal Ecology and Wildlife**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) Give an account on thermal stratification of natural water bodies.  
b) Write short notes on  
i) Feed back loop  
ii) Properties of water
- Q2)** a) Give an account on the anthropogenic stress and toxic waste as limiting factors.  
b) Write short notes on  
i) Liebig's law of minimum  
ii) Ecological pyramids
- Q3)** a) Give a detailed account on biotic interactions  
b) Write short notes on  
i) Ecological niche  
ii) Mutualism

**(DZOO04)**

**ASSIGNMENT-2**

**M.Sc. (Previous) DEGREE EXAMINATION, MAY – 2018**

**First Year**

**ZOOLOGY**

**Animal Ecology and Wildlife**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) What is population? Give an account on population growth form.  
b) Write short notes on  
i) Energy partitioning  
ii) Basic concepts of rates
- Q2)** a) Give an account on the characteristics and objectives of biosphere reserves.  
b) Write short notes on  
i) Threatened species  
ii) Hot spots

