

DZOO01

ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
(First Year)
ZOOLOGY
Systematics and Anatomy of Invertebrates

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- Q1)** Describe the general organization of Protozoa.
- Q2)** Write short notes on
- i) Classification of Porifera.
 - ii) Reproduction of Protozoa.
- Q3)** Give a detailed account on Polymorphism in Coelenterates.
- Q4)** Write Short notes on
- i) Parasitic adaptations of Cestodes.
 - ii) Classification of Nematelminthes.
- Q5)** Give a detailed account on evolutionary Significance of trochophore larve.



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ASSIGNMENT 2
M.Sc. DEGREE EXAMINATION, MAY - 2020
(First Year)
ZOOLOGY
Systematics and Anatomy of Invertebrates

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- Q1)** Write Short notes on
- i) Classification of annelida.
 - ii) General organization of arthropoda.
- Q2)** Give a detailed account on the general characters of phylum mollusca.
- Q3)** Write Short notes on
- i) Classification of echinodermata.
 - ii) Larval forms of echinoderms.
- Q4)** Describe the general organization of Rotifera.
- Q5)** Write Short notes on
- i) Chaetognatha.
 - ii) Ectoprocta.



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ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, JUNE/JULY - 2020
(First Year)
ZOOLOGY
Systematics&Anatomy of Chordates&Gamete Biology

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- Q1)** Give a detailed account on the specialized characters of urochordata.
- Q2)** Write Short notes on
- i) Hemichordata.
 - ii) General characters of Chordates.
- Q3)** Give an account on poisonous snakes of India.
- Q4)** Write short notes on
- i) Migration of fishes.
 - ii) General characters of amphibia.
- Q5)** Give an account on flightless birds.



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ASSIGNMENT 2
M.Sc. DEGREE EXAMINATION, JUNE/JULY - 2020
(First Year)
ZOOLOGY
Systematics&Anatomy of Chordates&Gamete Biology

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

Q1) Write short notes on

- i) Archaeopteryx
- ii) General Characters of Aves.

Q2) Give a detailed account on adaptive radiation in mammals.

Q3) Write short notes on

- i) South Indian mammals.
- ii) Aquatic adaptations of mammals.

Q4) Give an account of Spermatogenesis.

Q5) Write Short notes on

- i) Ovum.
- ii) Fertilization.



DZOO03

ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
(First Year)
ZOOLOGY

Cell Biology, Genetics and Evolution

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- Q1)** Give an account on Endoplasmic reticulum.
- Q2)** Write short notes on :
- i) Cell membrane.
 - ii) Mitochondria.
- Q3)** Give an account on transfer RNA and ribosomal RNA.
- Q4)** Write short notes on :
- i) m- RNA.
 - ii) Protein Synthesis.
- Q5)** Write an essay on Giant Chromosomes



DZOO03

ASSIGNMENT 2
M.Sc. DEGREE EXAMINATION, MAY - 2020
(First Year)
ZOOLOGY

Cell Biology, Genetics and Evolution

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

Q1) Write short notes on :

- i) Mitosis.
- ii) Chromosome structure.

Q2) Give a detailed account on Sex determination

Q3) Write short notes on

- i) Mendelian laws.
- ii) Multiple alleles.

Q4) Give an account on species concepts

Q5) Write short notes on :

- i) Hardyweinberg law.
- ii) Isolation.



DZOO04

ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
(First Year)
ZOOLOGY

Animal Ecology and Wildlife

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- Q1)** Give an account on light penetration and the factors affecting light availability in natural waters.
- Q2)** Write Short notes on
- i) Feedback loop
 - ii) Nature and Scope of ecology
- Q3)** Give an account on biogeochemical cycle of phosphorus.
- Q4)** Write short notes on :
- i) Liebig's law of the minimum.
 - ii) Food Chains.
- Q5)** Give an account on interspecific competition and coexistence.



DZOO04

ASSIGNMENT 2
M.Sc. DEGREE EXAMINATION, MAY - 2020
(First Year)
ZOOLOGY

Animal Ecology and Wildlife

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

Q1) Write short notes on :

- i) Ecological niche.
- ii) Commensalism.

Q2) Give an account on density dependent action in population control.

Q3) Write short notes on :

- i) Population growth form.
- ii) Properties of population group.

Q4) Give an account on biosphere reserves and wildlife Projects in India.

Q5) Write short notes on :

- i) National parks.
- ii) World Wildlife Fund.

