

(DZOO01)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Zoology
SYSTEMATICS AND ANATOMY OF INVERTEBRATES
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Describe the general organization and classification of the phylum porifera.
(b) Write short notes on:
 - (i) Reproduction in protozoa
 - (ii) Classification of the phylum protozoa.
2. (a) Give a detailed account on the polymorphism in coelenterata.
(b) Write short notes on:
 - (i) Parasitic adaptations in platyhelminths
 - (ii) General organization of phylum nemathelminthes.
3. (a) Describe the trochophore larva and its evolutionary significance.
(b) Write short notes on:
 - (i) General organization of phylum arthropoda.
 - (ii) Classification of phylum annelida up to orders.

(DZOO01)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Zoology
SYSTEMATICS AND ANATOMY OF INVERTEBRATES
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Describe the larval forms in echinoderms.
(b) Write short notes on:
 - (i) Larval forms of echinoderms
 - (ii) Classification of phylum mollusca upto orders.

2. (a) Describe the general organisation of chaetognatha.
(b) Write short notes on:
 - (i) Sipunculeta
 - (ii) Rotifera.

(DZOO 02)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Zoology
SYSTEMATICS AND ANATOMY OF CHORDATES AND GAMETE
BIOLOGY
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Write on comparison and specialized characters of urochordata and cephalo chordata.
(b) Write short notes on
 - (i) General Characters of chordates
 - (ii) Hemichordata

2. (a) Give a detailed account on parental care in fishes.
(b) Write short notes on
 - (i) Classification of amphibia
 - (ii) Poisonous snakes

3. (a) Describe the general characters and classification of aves.
(b) Write short notes on
 - (i) Archaeopteryx
 - (ii) Flightless birds

(DZOO 02)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Zoology
SYSTEMATICS AND ANATOMY OF CHORDATES AND GAMETE
BIOLOGY
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Give an account on adaptive radiation in mammals.
(b) Write short notes on :
 - (i) South Indian mammals
 - (ii) General Characters of mammals

2. (a) Give a detailed account on spermatogenesis.
(b) Write short notes on :
 - (i) Fertilization
 - (ii) Ovary

(DZOO 03)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Zoology
CELL BIOLOGY, GENETICS AND EVOLUTION
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Give a detailed account on mitochondria.
(b) Write short notes on
 - (i) Plasma membrane
 - (ii) Golgi complex.

2. (a) Give a detailed account on protein synthesis.
(b) Write short notes on
 - (i) m-RNA
 - (ii) DNA structure.

3. (a) Give a detailed account on giant chromosomes.
(b) Write short notes on
 - (i) Meiosis
 - (ii) Chromosome structure.

(DZOO 03)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Zoology
CELL BIOLOGY, GENETICS AND EVOLUTION
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Write an account on sex linked inheritance.
(b) Write short notes on
 - (i) Multiple alleles.
 - (ii) Interaction of genes.

2. (a) Give an account on theories of evolution.
(b) Write short notes on
 - (i) Isolation
 - (ii) Hardy weinberg law.

(DZOO 04)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Zoology
ANIMAL ECOLOGY AND WILDLIFE
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Give an account on the concept, structure and functions of ecosystem.
(b) Write short notes on
 - (i) Factors affecting light availability in natural water.
 - (ii) Thermal stratification.

2. (a) Give an account on biogeochemical cycle of carbon.
(b) Write short notes on
 - (i) Liebig's law of the minimum
 - (ii) Food chains.

3. (a) Write an account on concepts of habitat and ecological niche.
(b) Write short notes
 - (i) Positive interactions
 - (ii) Commensalism.

(DZOO 04)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Zoology
ANIMAL ECOLOGY AND WILDLIFE
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Give an account on the properties of the population group.
 - (b) Write short notes on
 - (i) r-selection
 - (ii) basic concepts of rates.

2. (a) Give an account on wildlife trade and management strategies.
 - (b) Write short notes on
 - (i) Biosphere reserves
 - (ii) WWF.