

(DZOO21)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, DEC. – 2017

Second Year

ZOOLOGY

Animal Physiology

MAXIMUM MARKS:30

Answer ALL Questions

- Q1)** Describe the role of Vitamins and minerals in metabolism.
- Q2) Write short notes on
- i) Enzymes role in digestion
 - ii) Metabolism of lipids
- Q3)** Give an account on circulatory system in animals.
- Q4) Write short notes on
- i) Respiratory pigments
 - ii) Physiology of heat
- Q5)** Describe the mechanism of nerve impulse transmission in animals.

(DZOO21)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, DEC. – 2017

Second Year

ZOOLOGY

Animal Physiology

MAXIMUM MARKS:30

Answer ALL Questions

Q1) Write short notes on

- i) Nuron
- ii) Brain

Q2) Give an account on osmotic regulation in animals.

Q3) Write short notes on

- i) Formation of urine
- ii) Kidney

Q4) Give a detailed account on theories of muscle contraction.

Q5) Write short notes on

- i) Types of muscles
- ii) Mechanism of hormone action



(DZOO22)

ASSIGNMENT-1

M.Sc. DEGREE EXAMINATION, DEC. – 2017

Second Year

ZOOLOGY

Aquaculture

MAXIMUM MARKS:30

Answer ALL Questions

- Q1)** Describe the criteria for the selection of a species for culture.
- Q2)** Write short notes on
- i) Hypophysation
 - ii) Intensive culture
- Q3)** Give a detailed account on the culture of freshwater giant prawn.
- Q4)** Write short notes on
- i) Rearing ponds
 - ii) Common carp
- Q5)** Give a detailed account on the culture of penaeus monodon.

(DZOO22)

ASSIGNMENT-2

M.Sc. DEGREE EXAMINATION, DEC. – 2017

Second Year

ZOOLOGY

Aquaculture

MAXIMUM MARKS:30

Answer ALL Questions

- Q1)** Write short notes on
- i) Sea bass
 - ii) Air breathing fishes
- Q2)** Describe the sewage – fed fish culture.
- Q3)** Write short notes on
- i) Pearl oysters
 - ii) Sea weeds
- Q4)** Write an essay on common diseases in fish ponds
- Q5)** Write short notes on
- i) Ornamental fishes
 - ii) Gynogenesis



(DZOO23)

ASSIGNMENT-1

M.Sc. (Second) DEGREE EXAMINATION, DEC. – 2017

ZOOLOGY

Second Year

Parasitology and Immunology

MAXIMUM MARKS:30

Answer ALL Questions

Q1) Give an account on morphology and life cycle of Trypanosoma gambiense

Q2) Write short notes

- i) Entamoeba histolytica
- ii) Giardiasis

Q3) Give an account on the biology and life cycle of schistosoma mansoni

Q4) Write short notes on

- i) Diphyllbothrium latum
- ii) Opisthorchis sinensis

Q5) Describe the biology and life cycle of wucherevia bancrofti

(DZOO23)

ASSIGNMENT-2

M.Sc. (Second) DEGREE EXAMINATION, DEC. – 2017

ZOOLOGY

Second Year

Parasitology and Immunology

MAXIMUM MARKS:30

Answer ALL Questions

Q1) Write short notes on

- i) *Dracunculus medinensis*
- ii) *Trichuris trichiura*

Q2) Give a detailed account on Acquired immunity.

Q3) Write short notes on

- i) Antigens
- ii) Natural immunity

Q4) Give a detailed account on antigen – antibody interactions.

Q5) Write short notes on

- i) Coomb's test
- ii) IgG



(DZOO24)

ASSIGNMENT-1

M.Sc. (Second) DEGREE EXAMINATION, DEC. – 2017

Second Year

ZOOLOGY

Biotechnology

MAXIMUM MARKS:30

Answer ALL Questions

Q1) Give an account on importance and application of biotechnology

Q2) Write short notes on

- i) Scope of biotechnology
- ii) Different fields of biotechnology

Q3) Give an account on the use of tools and techniques in recombinant DNA technology.

Q4) Write short notes on

- i) Gene cloning
- ii) Genetic engineering

Q5) Describe the preparation and sterilization of media

(DZOO24)

ASSIGNMENT-2

M.Sc. (Second) DEGREE EXAMINATION, DEC. – 2017

Second Year

ZOOLOGY

Biotechnology

MAXIMUM MARKS:30

Answer ALL Questions

- Q1) Write short notes on
- i) Cell suspension
 - ii) Maintenance of cultures
- Q2) Give a detailed account on growth of animal cell lines in laboratory.
- Q3) Write short notes on
- i) Applications of animal cell culture
 - ii) Culture media
- Q4) Give an account on industrial production of antibiotics
- Q5) Write short notes on
- i) Production alcohol
 - ii) Enzymes

