

(DZOO21)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, MAY – 2018

Second Year

ZOOLOGY

Animal Physiology

MAXIMUM MARKS:30
Answer ALL Questions

- Q1)** a) Give a detailed account on the digestion and metabolism of proteins.
b) Write short notes on
i) Vitamins
ii) Enzymes
- Q2)** a) Give an account on the respiration and transport of gases in animals.
b) Write short notes on
i) Circulatory system in animals.
ii) Respiratory pigments.
- Q3)** a) Write an essay on comparative account of nervous system in animals.
b) Write short notes on
i) Nerve impulse
ii) Nuron

(DZOO21)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, MAY – 2018

Second Year

ZOOLOGY

Animal Physiology

MAXIMUM MARKS:30

Answer ALL Questions

- Q1)** a) Give a detailed account on types of muscles and their functions.
b) Write short notes on
i) Muscle contraction
ii) Role of hormones in reproduction
- Q2)** a) Give an account on ionic and osmotic balance in animals.
b) Write short notes on
i) Urine formation
ii) Excretion

(DZOO22)

ASSIGNMENT-1

M.Sc. (Second) DEGREE EXAMINATION, MAY – 2018

Second Year

ZOOLOGY

Aquaculture

MAXIMUM MARKS:30

Answer ALL Questions

- Q1)** a) Give an account on criteria for the selection of a species for culture.
b) Write short notes on
i) Major carps
ii) Culture systems
- Q2)** a) Give an account on Exotic fishes of India.
b) Write short notes on
i) Rearing ponds
ii) *Macrobrachium rosenbergii*
- Q3)** a) Write an essay on fish diseases in culture ponds.
b) Write short notes on
i) Ornamental fish breeding
ii) Androgenesis

(DZOO22)

ASSIGNMENT-2

M.Sc. (Second) DEGREE EXAMINATION, MAY – 2018

Second Year

ZOOLOGY

Aquaculture

MAXIMUM MARKS:30

Answer ALL Questions

- Q1)** a) Give an account on the culture of chanos chanos
b) Write short notes on
i) Air breathing fishes
ii) Culture of sea bass
- Q2)** a) Give an account on the culture of edible oysters.
b) Write short notes on
i) Sea weeds
ii) Pearl oysters



(DZOO23)

ASSIGNMENT-1

M.Sc. (Second) DEGREE EXAMINATION, MAY – 2018

Second Year

ZOOLOGY

Parasitology and Immunology

MAXIMUM MARKS:30

Answer ALL Questions

- Q1)** a) Give a detailed account on morphology. life cycle of Balantidium coli
b) Write short notes on
i) Symbiotic relationship
ii) Entamoeba histolytica
- Q2)** a) Describe the biology, life cycle and portals of entry of Echinococcus granulosus.
b) Write short notes on
i) Diphyllobothrium latum
ii) Schistosoma mansoni
- Q3)** a) Give an account life cycle and nature of infection of Wuchereria bancrofti
b) Write short notes on
i) Dracunculus medinensis
ii) Trichuris trichiura

(DZOO23)

ASSIGNMENT-2

M.Sc. (Second) DEGREE EXAMINATION, MAY – 2018

Second Year

ZOOLOGY

Parasitology and Immunology

MAXIMUM MARKS:30

Answer ALL Questions

- Q1)** a) Give an account on the introduction and overview of immunology.
b) Write short notes on
i) Antigens
ii) Natural immunity
- Q2)** a) Give a detailed account on the cells of immune system.
b) Write short notes on
i) Antibodies
ii) The coomb's test



(DZOO24)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, MAY – 2018
(Second Year)

ZOOLOGY

Biotechnology

MAXIMUM MARKS:30

Answer ALL Questions

- Q1)** a) Give an account on the scope and overview of biotechnology.
b) Write short notes on :
i) Different fields of biotechnology.
ii) Application of biotechnology.
- Q2)** a) Give an account on vectors used in genetic engineering.
b) Write short notes on :
i) Applications of r – DNA technology.
ii) Role of enzymes in gene cloning.
- Q3)** a) Enumerate the preparation and sterilization of media.
b) Write short notes on :
i) Callus culture
ii) Maintenance of cultures

(DZOO24)

ASSIGNMENT-2

M.Sc. DEGREE EXAMINATION, MAY – 2018

(Second Year)

ZOOLOGY

Biotechnology

MAXIMUM MARKS:30

Answer ALL Questions

- Q1)** a) Give an account on the growth of animal cell lines in laboratory.
b) Write short notes on :
i) Animal tissue culture techniques.
ii) Applications of animal cell culture.
- Q2)** a) Give a detailed account on the industrial production of enzymes.
b) Write short notes on :
i) Antibiotics production
ii) Industrial production of vaccines.