

DZOO21

ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
(Second Year)
ZOOLOGY
Animal Physiology

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

Q1) Give an account on the significance of vitamins and minerals in metabolism.

Q2) Write short notes on

- i) Lipids
- ii) Enzymes

Q3) Describe the general account of circulatory system in animals.

Q4) Write short notes on :

- i) Respiratory Pigments.
- ii) Transport of gases.

Q5) Give an comparative account of nervous system in animal groups.



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ASSIGNMENT 2
M.Sc. DEGREE EXAMINATION, MAY - 2020
(Second Year)
ZOOLOGY
Animal Physiology

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

Q1) Write short notes on :

- i) Neurons.
- ii) Brain.

Q2) Give a detailed account on excretion in animals.

Q3) Write short notes on :

- i) Kidney.
- ii) Urine formation.

Q4) Describe the hormones as vehicles for intercellular communications.

Q5) Write short notes on :

- i) Types of muscles.
- ii) Muscle contraction.



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

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

Q1) Give an account on Procurement of carp seed from natural water.

Q2) Write short notes on :

- i) Significance of aquaculture.
- ii) Bundh breeding.

Q3) Give an account on breeding and culture of common carp.

Q4) Write short notes on :

- i) Nursery pond.
- ii) Fresh water gaint prawn.

Q5) Give an account on culture of air breathing fishes.



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

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

Q1) Write short notes on :

- i) Sea bass.
- ii) Tiger Shrimp.

Q2) Give an account on culture of seaweeds.

Q3) Write short notes on :

- i) Edible oysters.
- ii) Pearl oysters.

Q4) Give an account on Indian studies on hybridization of fish.

Q5) Write short notes on :

- i) Gynogenesis.
- ii) Breeding of ornamental fishes.



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ASSIGNMENT 1

M.Sc. DEGREE EXAMINATION, MAY - 2020

(Second Year)

ZOOLOGY

Parasitology and Immunology

MAXIMUM MARKS :30

ANSWER ALL QUESTIONS

- Q1)** Describe the of morphology and life cycle of Entamoeba histolytica.
- Q2)** Write short notes on :
- i) Kinds of Parasities.
 - ii) Balantidium coli.
- Q3)** Describe the biology, life cycle and portals of entry of Opisthorchis sinensis.
- Q4)** Write short notes on :
- i) Echinococcus granulosus.
 - ii) Diphyllobothrium latum.
- Q5)** Give an account on biology, and life cycle of Dracunculus medinensis.

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ASSIGNMENT 2

M.Sc. DEGREE EXAMINATION, MAY - 2020

(Second Year)

ZOOLOGY

Parasitology and Immunology

MAXIMUM MARKS :30

ANSWER ALL QUESTIONS

Q1) Write short notes on :

- i) Wuchereria bancrofti.
- ii) Trichuris trichiura.

Q2) Give an detailed account on acquired immunity.

Q3) Write short notes on :

- i) Antigens.
- ii) Natural immunity.

Q4) Give an account on the cells of the immune system.

Q5) Write Short notes on

- i) Antigen - antibody interactions
- ii) Structure of IgG

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

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- Q1)** Describe the scope and overview of biotechnology.
- Q2)** Write short notes on :
- i) Biotechnology in agriculture.
 - ii) Biotechnology in medicine.
- Q3)** Give a detailed account on enzymes useful in gene cloning.
- Q4)** Write short notes on :
- i) Recombinant DNA technology.
 - ii) Genetic engineering.
- Q5)** Give an account on initiation and maintenance of cultures.



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

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

Q1) Write short notes on :

- i) Preparation of media.
- ii) Single cell culture.

Q2) Describe the techniques of animal tissue culture.

Q3) Write short notes on :

- i) Cell culture media.
- ii) Applications of animal cell culture.

Q4) Give an account on the industrial production of vaccines.

Q5) Write short notes on :

- i) Enzymes.
- ii) Antibiotics.

