

ALAGAPPA UNIVERSITY
Centre for Distance and Online Education (CDOE)
IInd –M.Sc., Zoology 2022-2023 Batch Assignment Titles for IIIrd Semester October, 2023

35031-ANIMAL PHYSIOLOGY

S. No	Registration Number	Assignment Titles
1	2022023500001	Divisions of Physiology and Revisions of Physiology with other Science
2	2022023500002	Digestive System in man, Absorption and Assimilation
3	2022023500003	Gastrointestinal hormones and their control in digestion
4	2022023500004	Respiratory system in man, Control of respiration
5	2022023500005	Endocrine glands and their hormones
6	2022023500006	Blood: Composition, Haemopoiesis, formed elements
7	2022023500007	Blood volume and its regulation, Haemostasis.
8	2022023500008	Types of heart, Heart beat and Cardiac cycle
9	2022023500009	Structure of human heart, Heart beat and Cardiac cycle
10	2022023500010	Blood pressure, ECR and its application
11	2022023500011	Types and functions of neurons, Central and Peripheral Nervous System,
12	2022023500012	Neuro endocrine control of hormones
13	2022023500013	Invertebrate hormones
14	2022023500014	Synapse and its transmission
15	2022023500015	Mechanism in action of hormones
16	2022023500016	Biological clock
17	2022023500017	Hypo and Hyper secretion of hormones (Thyroid, adrenal and pancreas)

		and their diseases.
18	2022023500018	Neuro-muscular junction
19	2022023500019	Transportation of gases, Control of respiration
20	2022023500020	Excretory system of human, Structure and functions of nephron
21	2022023500021	Urine formation and its regulation
22	2022023500022	General structure and types of muscles, Sarcomere
23	2022023500023	Ultra structure of skeletal muscle, Mechanisms of muscle contraction
24	2022023500024	Chemical changes during muscle contraction, Kymograph
25	2022023500025	Physiology of vision
26	2022023500026	Hearing and tactile response
27	2022023500027	Thermoregulation in animals
28	2022023500028	Tolerance to high temperature, cold and freezing
29	2022023500029	Physiology of hibernation and aestivation.
30	2022023500030	Osmo-ionic regulation in freshwater and crustaceans
31	2022023500031	Osmo-ionic regulation in marine fishes and crustaceans
32	2022023500032	Response to hyper and hypo-osmotic media
33	2022023500033	Adaptation to pressure in high altitude – Buoyancy
34	2022023500034	Structure and functions of nephron
35	2022023500035	Endogenous rhythm
36	2022023500036	Circannual and Lunar periodicities
37	2022023500037	Hypo and Hyper secretion of hormones (Thyroid and pancreas) and their diseases
38	2022023500038	Hormonal control of insect metamorphosis
39	2022023500039	Revisions of Physiology with other Science

40	2022023500040	Physiology of aestivation
41	2022023500041	Circadian rhythm
42	2022023500042	Hypo and Hyper secretion of hormones(Thyroid and adrenal)
43	2022023500043	Synapse and its Resting and action potential

35033-ENVIRONMENTAL BIOLOGY

S. No	Registration Number	Assignment Titles
1	2022023500001	Divisions of marine environment
2	2022023500002	Physical and chemical properties of seawater
3	2022023500003	Major and minor elements
4	2022023500004	Primary and secondary production
5	2022023500005	Estimation and factors influencing productivity
6	2022023500006	Adaptation of plankton
7	2022023500007	General account of complete and incomplete cycle
8	2022023500008	Unique features of Coral Reefs
9	2022023500009	Unique features of Seaweeds
10	2022023500010	Unique features of Seagrasses
11	2022023500011	Unique features of Mangroves and estuaries
12	2022023500012	Community structure, Ecotone and edge effects
13	2022023500013	Community structure and Ecological niche
14	2022023500014	Ecological succession, Climax community
15	2022023500015	Monoclimax and polyclimax theories
16	2022023500016	Air and - Their biological effects
17	2022023500017	Water and Soil pollution- Their biological effects
18	2022023500018	Pollution control measures; Climatic changes
19	2022023500019	Green house effects

20	2022023500020	Global warming
21	2022023500021	Bioremediation and environmental awareness
22	2022023500022	Conservation of natural resources
23	2022023500023	Biodiversity hot spots of India
24	2022023500024	Endangered and threatened species
25	2022023500025	Gaseous cycle –Nitrogen and Oxygen cycles
26	2022023500026	Gaseous cycle – Carbon and Nitrogen cycles
27	2022023500027	The population concept, Population density and Age distribution
28	2022023500028	The population concept, Carrying capacity
29	2022023500029	Growth rate, Fluctuation and Regulation
30	2022023500030	Germplasm conservation
31	2022023500031	Environmental laws
32	2022023500032	Structure, Functions and types of ecosystem
33	2022023500033	Trophic structures, Food chains
34	2022023500034	Trophic structures, Food web
35	2022023500035	Energy flow and Ecological pyramids
36	2022023500036	Abiotic factors, Soil organisms
37	2022023500037	Biological effects of light, and temperature
38	2022023500038	Thermal stratification
39	2022023500039	Concept of limiting factors
40	2022023500040	Shelford's law of tolerance and ecotypes
41	2022023500041	Grassland ecosystem
42	2022023500042	Sedimentary cycle: Phosphorus cycles
43	2022023500043	Pond ecosystem

35032-IMMUNOLOGY

S.No		Title of the Assignment
1	CHOOSE ANY ONE OF THE TITLE	Historical perspectives and scope of immunology
2		Detection of molecules using Immunoblot techniques
3		Major histocompatibility complex (MHC)
4		Types of immune cells, Tissues and organs of immune system.
5		Antigen processing and presentation
6		ELISA and Vaccine development
7		Autoimmune disorders and Immunodeficiency diseases
8		Organ Transplantation. antibody engineering