

ALAGAPPA UNIVERSITY
Centre for Distance and Online Education (CDOE)
IInd –M.Sc., Zoology 2022-2023 Batch Assignment Titles for IV -Semester March, 2024

35041-FISHERIES AND AQUACULTURE

S. No	Registration Number	Assignment Titles
1	2022023500001	Economically important marine fishes with regard to their fishery potential
2	2022023500002	Processing methods: Drying and Irradiation methods of preservation of fish
3	2022023500003	Food and feeding habits, Age and growth of fish
4	2022023500004	Physical and biochemical methods to examine freshness of fish
5	2022023500005	Conservation and Management of Fishery Resources
6	2022023500006	Live feed culture and Good management practices in hatchery.
7	2022023500007	Fishery by-products: fish liver oil, leather from shark skin and other value added by –products
8	2022023500008	Morphometric and meristic characters of fish
9	2022023500009	Seed packing and transportation
10	2022023500010	Farm design, Structure and construction
11	2022023500011	Race ways culture, Poly culture
12	2022023500012	Spawning, Hatching, Larval rearing
13	2022023500013	Biosecurity and Specific pathogen free seed production
14	2022023500014	Economically important freshwater fishes with regard to their fishery potential
15	2022023500015	Spawning and reproduction of fish
16	2022023500016	Status of Indigenous Capture fishery,
17	2022023500017	Status of Indian Capture fishery

18	2022023500018	Types of culture based on stocking density, Cultivable organisms
19	2022023500019	Types of Hatchery, Brood Stock, Induced breeding,
20	2022023500020	Modern craft and gears used for capture fisheries
21	2022023500021	Classification of fishes
22	2022023500022	Cage culture, Pen culture
23	2022023500023	HACCP concept
24	2022023500024	Quality control: HACCP, National and International standards
25	2022023500025	Spawning and reproduction of fish
26	2022023500026	Conservation and Management of Fishery Resources
27	2022023500027	Pond preparation, Stocking, Water quality,
28	2022023500028	Composite fish culture and integrated fish farming
29	2022023500029	Fishery by-products: Isinglass, chitin, leather from shark skin and other value added by –products
30	2022023500030	Classification of fishes
31	2022023500031	Biosecurity and Specific pathogen free seed production
32	2022023500032	Good Management Practices
33	2022023500033	Post larval rearing and hatchery economics
34	2022023500034	Modern craft and gears used for capture fisheries
35	2022023500035	Morphometric and meristic characters of fish
36	2022023500036	Processing methods: Freezing, Canning, Smoking methods of preservation of fish
37	2022023500037	Feed management, harvesting, and economics; Good Management Practices
38	2022023500038	Fishery by-products: chitin, leather from shark skin and other value added by –products
39	2022023500039	Endangered species and Invasive species
40	2022023500040	Seed packing and transportation

41	2022023500041	Definition, Status of Indian aquaculture
42	2022023500042	Important finfish and shell fish disease and its control measures
43	2022023500043	Status of Indian Capture fishery

350402-ANIMAL BIOTECHNOLOGY

S. No	Registration Number	Assignment Titles
1	2022023500001	Ethical Issues in Genetic Engineering and Transgenics
2	2022023500002	Gene therapy, germline gene therapy; Applications of advanced techniques
3	2022023500003	Principles, methods and Instrumentation of DNA sequencing (Sanger's di-deoxy method and automated DNA sequencing).
4	2022023500004	Gene transfer methods in animals –Biolistic Particle Delivery System; Sonoporation
5	2022023500005	Subunit vaccines and live vaccines
6	2022023500006	Conservation and management of indigenous Cow, Buffalo
7	2022023500007	Production and applications of transgenic animals (Fish, Mice,) and chimeras. Dolly.
8	2022023500008	Positron emission tomography–computed tomography (PET-CT),
9	2022023500009	Hybridization: Western and Northern hybridization
10	2022023500010	Artificial insemination and embryo transfer
11	2022023500011	Embryonic and epithelial and mesenchymal stem cells - applications
12	2022023500012	Natural and synthetic media; Culture methods: hanging drop
13	2022023500013	Pheromones in pest management
14	2022023500014	PCR, RFLP, RAPD
15	2022023500015	Bacterial artificial chromosome (BAC), Shuttle vectors, Yeast vectors, Minichromosomes.
16	2022023500016	Molecular imaging. Human genome project
17	2022023500017	Genetic engineering in animal systems
18	2022023500018	Recombinant vaccines

19	2022023500019	Hybridization: Southern and Northern hybridization
20	2022023500020	Pheromones in animal breeding
21	2022023500021	Gene transfer methods in animals –Electroporation & Microinjection
22	2022023500022	Basic principles of genetic engineering
23	2022023500023	Production of Insulin and Tissue plasminogen activator
24	2022023500024	Artificial insemination and embryo transfer
25	2022023500025	Gene therapy, somatic gene therapy; Applications of advanced techniques
26	2022023500026	Gene transfer methods in animals –Optical Transfection; Protoplast Fusion.
27	2022023500027	DNA finger-printing. DNA bar coding
28	2022023500028	Genetic engineering in animal systems
29	2022023500029	Embryonic and adult, hematopoietic and mesenchymal stem cells - applications
30	2022023500030	Isolation and purification of nucleic acids
31	2022023500031	Applications of cell culture in product development and tissue repair
32	2022023500032	Suspension and monolayer culture; Primary and established cell lines
33	2022023500033	Current Developments; social, extrinsic and intrinsic concerns
34	2022023500034	Genetic engineering in animal systems
35	2022023500035	Conservation and management of Tiger and Elephant
36	2022023500036	Principles, methods and Instrumentation of DNA sequencing (Maxam and Gilbert method and automated DNA sequencing).
37	2022023500037	Artificial insemination and embryo transfer
38	2022023500038	Knock out and Knock in Technology
39	2022023500039	Media requirements, preparation of media and sterilization techniques
40	2022023500040	Insect and Rodent control
41	2022023500041	Production and applications of transgenic animals (Sheep and Pig) and chimeras. Dolly.
42	2022023500042	Gene transfer methods in animals –Retrovirus mediated gene transfer.
43	2022023500043	Issue of Species Boundaries, The Legal Implications of Transgenics

35043-BIOPHYSICS, BIostatISTICS AND BIO-INFORMATICS

S.No	CHOOSE ANY ONE OF THE TITLE	Title of the Assignment
1		Laws of thermodynamics - principle and application
2		Spectroscopy- principle and applications; Delayed effects of radiation and measurement of radio activity
3		Structure and properties of atoms and molecules
4		Presentation of data: line and bar diagram, polygon and pie diagram
5		Polymerization of organic molecules
6		Applications of Bioinformatics in cancer detection, Drug targets
7		Types of sampling: Random and stratified random sampling
8		Current researches in Bioinformatics