ALAGAPPA UNIVERSITY
CENTRE FOR DISTANCE AND ONLINE EDUCATION
KARAIKUDI – 630 003
M. Sc. Zoology I – Year – I Semester (Academic Year 2023-2024)
Theory Assignments (35011 –Animal Diversity)

S.No	Enroll number	Topic
1	2023023500001	Introduction to the diversity of animals, Principles of classification
2	2023023500002	Binomial Nomenclature; Linnaeus
3	2023023500003	Types of classification
4	2023023500004	Species concept –Typological, Biological and evolutionary species concept
5	2023023500005	Taxonomic characters and theories of taxonomy
6	2023023500006	Major divisions and subdivisions of the animal kingdom;
7	2023023500007	Animal architecture- Cephalization
8	2023023500008	Symmetry- Bilateral and Radial symmetry;
9	2023023500009	Coelom in animals: Coelomata, Acoelomata and Psudocoelomata.
10	2023023500010	Protozoa: General characteristics, classification up to class level
11	2023023500011	Protozoan parasites: Entamoeba and Plasmodium.
12	2023023500012	Porifera: General characters and classification,
13	2023023500013	Structure of *Leucosolenia,* Canal system in sponges, Spicules in sponges
14	2023023500014	Coelenterata: Structure of *Obelia* colony,
15	2023023500015	Polymorphism in coelenterates, Corals and coral reefs.
16	2023023500016	Helminth parasites – *Taenia solium,*
17	2023023500017	Nematode parasites – *Ascaris* and Parasitic adaptations.
18	2023023500018	Annelida: General characters, Classification up to class-Metamerism in Annelids
19	2023023500019	Arthropoda: General characters, Classification up to class, Larval forms of crustaceans Adaptive radiations in Arthropoda, Harmful and beneficial insects.
20	2023023500020	Mollusca and Echinodermata:General characters, Classification up to class-Cephalopod as an advanced Mollusc;
21	2023023500021	Larval forms of Echinodermata -Water vascular system in Echinoderms
22	2023023500022	General characters and classification of Prochordates and vertebrates
23	2023023500023	Pisces- classification up to orders, structural and functional adaptation of fishes
24	2023023500024	Amphibians and Reptiles: Definition, general characters, classification,
25	2023023500025	Structural and functional adaptations of amphibians and reptiles- Mesozoic reptiles – Dinosaurs.
26	2023023500026	Aves: phylogeny, flight adaptation, flightless birds and migration of birds.
27	2023023500027	Mammals: General characteristics of Prototheria, metatheria and eutheria
28	2023023500028	Aquatic mammals; adaptive radiation in mammals
29	2023023500029	Introduction to the diversity of animals, Principles of classification
30	2023023500030	Binomial Nomenclature; Linnaeus
31	2023023500031	Types of classification
32	2023023500032	Species concept –Typological, Biological and evolutionary species concept
33	2023023500033	Taxonomic characters and theories of taxonomy
34	2023023500034	Major divisions and subdivisions of the animal kingdom;
35	2023023500035	Animal architecture- Cephalization
36	2023023500036	Symmetry- Bilateral and Radial symmetry;

37	2023023500037	Coelom in animals: Coelomata, Acoelomata and Psudocoelomata.
38	2023023500038	Protozoa: General characteristics, classification up to class level
39	2023023500039	Protozoan parasites: Entamoeba and Plasmodium.
40	2023023500040	Porifera: General characters and classification,
41	2023023500041	Structure of *Leucosolenia,* Canal system in sponges, Spicules in sponges
42	2023023500042	Coelenterata: Structure of *Obelia* colony,
43	2022023500009	Polymorphism in coelenterates, Corals and coral reefs.
44	2022023500010	Types of classification