

**CURRICULUM AND ITS RELEVANCE TO LOCAL /NATIONAL
/REGIONAL/GLOBAL NEEDS**

DEPARTMENT OF ZOOLOGY

B.sc Zoology(Hons.)

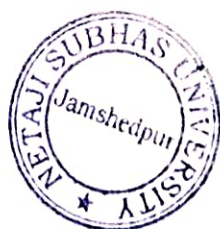
SL.N O	Course Name	Course code	Relevance (Local/National / Regional/Globa l)	Description (Importance for Student)
1.	Systematic & Diversity of Non chordate	C-1	Global	General Characteristics and Classification of phylum protozoa, porifera and coelenterate, Platyhelminthes, Nematelminths, Annelid and Arthropoda, Mollusca and Echinodermata up to orders with type study
2.	Biochemistry	C-2	Global	Basic concepts of genetics, Cell physiology, Biochemistry and micro molecule
3.	Communicative English	AECC 1	Global	Communication globally - Determine interpersonal skills and be an effective goal-oriented team player. to evaluate themselves by giving oral presentations and will receive feedback.
4.	Diversity of chordates	C-3	Global	Know about Hemichordate and Protochordate, Fertilization and post fertilization events, Parthenogenesis, Embryonic induction and animal diversity.
5.	Molecular Biology	C-4	Global	Fundamentals of molecular biology, Ultra structure and functions of cell organelles, Bio membranes, Cell surface receptors and biology of Cancer.
6.	Environmental Science	AECC2	Global	Ecology, ecosystem and pollution, Environmental conservation and



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				environmental impact assessment and Basic and applied Microbiology
7.	Endocrinology	C-5	Global	Structure and function of Endocrine gland and their secretions, Endocrine gland, Mechanism of hormone action, Hormonal regulation and Neuroendocrine system
8.	Immunology	C-6	Global	Elementary idea of cancer and Immunity of a living organisms.
9.	Ecology	C-7	Global	Ecology, ecosystem and pollution, Environmental conservation and environmental impact assessment and Basic and applied Microbiology
10.	IT Skill	SEC 1	Global	Knowledge about information technology.
11.	Genetics	C-8	Regional	Basic concepts of genetics, Cell physiology, Biochemistry and Biotechnology Genetic variability and genetic equilibrium, Analysis of quantitative traits, Concepts of Evolution and Molecular clock
12.	Evolution	C-9	Regional	Evidences and theories of organic evidences and Concepts of ethology.

13.	Cell biology	C-10	Global	Cell and its structure, Cell Division function of a cell.
14.	Animal physiology: life sustaining systems	C-11	Global	Integument, Alimentary Canal, Respiratory Organs, Endoskeleton, Circulatory system, Urinogenital, Nervous system, Ear & Eye, Digestion, Physiology of heart, Respiration, Excretion, physiology of Muscle and nerves of Vertebrates.



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15.	Biotechnology	C-12	Global	Principle and techniques of pH meter, Colorimeter, Microscope, Centrifuge, Chromatography and electrophoresis
16.	Economic Zoology	DSE 1	Global	. Vermiculture, Apiculture and Prawn culture, Fish culture and Poultry Management
17.	Developmental biology	C-13	Global	Fish integument, Migration and Parental Care, Neoteny in amphibian, Reptilia, Birds, Mammals and Aquatic mammals. Fertilization and post fertilization events, Parthenogenesis, Embryonic induction, Differentiation, Regeneration and Placentation in Mammals.
18.	Biostatistics	C-14	Global	Management of Data, Central Tendency, dispersion and skewness, Test of significance and Advanced methods for data validation like: ANOVA, Probability, correlation and regression
19.	Wild Life conservation & Management	DSE 3	Global	Environmental conservation and environmental impact assessment. Conservation of wild animals and its habitat.




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