CSIR NET UNIT 9 SYLLABUS

DIVERSITY OF LIFE FORMS

CSIR NET UNIT 9 of life science syllabus covers topics like principles and methods of taxonomy, levels of structural organization, outline classification of plants, animals, and microorganisms, natural history of the Indian subcontinent, organisms of health and agricultural importance, and organisms of conservation concern. Topics include biological nomenclature, comparative anatomy, and conservation strategies.

CSIR NET UNIT 9	Topics
A) Principles & Methods of Taxonomy	- Concepts of species and hierarchical taxa - Biological nomenclature - Classical & quantitative methods of taxonomy of plants, animals, and microorganisms
B) Levels of Structural Organization	- Unicellular, colonial, and multicellular forms - Levels of organization of tissues, organs & systems - Comparative anatomy, adaptive radiation, adaptive modifications
C) Outline Classification of Plants, Animals & Microorganisms	- Important criteria used for classification in each taxon - Classification of plants, animals, and microorganisms - Evolutionary relationships among taxa
D) Natural History of Indian Subcontinent	- Major habitat types of the subcontinent - Geographic origins and migrations of species - Common Indian mammals, birds - Seasonality and phenology of the subcontinent
E) Organisms of Health & Agricultural Importance	- Common parasites and pathogens of humans, domestic animals, and crops
F) Organisms of Conservation Concern	- Rare, endangered species - Conservation strategies

Study tips for CSIR NET UNIT 9: Create mnemonic devices for taxonomy criteria, use diagrams for structural organization, relate classification to evolutionary relationships, and stay updated on conservation efforts. Practice identifying common organisms of health and agricultural importance for practical application.