LS-104—Animal Biology [2 Credits]

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Sl. no.	Topic	Name of the Faculty	No. of lectures
1	Origin and Evolution of Life: Theories of the origin of life, early earth, modern self-assembly theories, Oparin Haldane theory of chemical evolution, The Miller-Urey experiment, Organic evolution, Development of evolution theory, Darwin's theory, Origin and evolution of human being.	SKJ	4
2	Natural selection: The nature of natural selection, Examples of natural selection, levels of selection, selection of organisms and groups, species selection. Artificial selection, Adaptation: The nature of adaptations, Speciation	SKJ	3
3	Animal Diversity, Animal Kingdom, Animal Classification,: Basis of classification, levels of organization (Symmetry, diploblastic and triploblastic organization), Coelom, segmentation, Notochord,	SKJ	3
4	Characteristic features of each Phyla: Protozoa, Porifera, Cnidaria, Platyhelminthes, Nematodes, Annelida, Arthropoda, echinodermeta, hemichordata, chordata,	SKJ	3
5	Structural organization in Animals: Animals Tissues: Epithelial Tissue, connective Tissue, Muscle Tissue, Neural Tissue,	SKJ	3
6	Organ system with reference to : Integumentarysystem, Muscular and Skeletalsystem, Digestivesystem, respiratorysystem, Circulatorysystem, Excretorysystem, nervoussystem, Sensory and Reproductivesystems.	DS	16

Total lectures: 32 ± 2