

Smt Sindhutai Jadhao Arts and Science Mahavidyalaya, Mehkar

B.Sc.III SEMESTAR V

ZOOLOGY

Topic	Link for Material
Unit I Respiration	
Structure of respiratory organs: Gills and Lings 1	https://youtu.be/Y97F-gmMaIw
Structure of respiratory organs: Gills and Lings 2	https://youtu.be/sbGAtcPUzVU
Mechanism of respiration	https://youtu.be/MSi63q7t5DU
Respiratory pigments in animals	https://youtu.be/yarajOI6bww
Transport of gases	https://youtu.be/TRDfcCaIrGs
Neurophysiologic control of respiration	https://youtu.be/Pn3Z9YmGROU
Blood	https://youtu.be/w1D_wgesJqU
Heart: Structure of human heart, Pacemaker, Cardiac cycle	https://youtu.be/qSY5iXHHi88
Blood coagulation factors	https://youtu.be/PqEKokzgkg0
Blood groups, A, B, O system and Rh-factor	https://youtu.be/dzQ0bvQ4mAw
Unit II Muscle Physiology	
Types of Muscles, Structure of Striated muscle	https://youtu.be/8gASud4IZBo
Neuromuscular junction	https://youtu.be/hSB71ZItaYE
Mechanism of muscle contraction by Sliding filament theory	https://youtu.be/-rflBoxvItA
Muscle twitch, Tetanus, Summation of stimuli	https://youtu.be/MLSxhTGkkPc
Isotonic and isometric contraction 1	https://youtu.be/xyQiu3Lb1-Q
Isotonic and isometric contraction 2	https://youtu.be/Cyz3QgdHRMo
Unit III Nerve Physiology	
E.M. Sture of neuron	https://youtu.be/RLmBxHr-YTY
Types of neuron	https://youtu.be/L5uX_xZJ0dA
Conduction of Nerve impulse	https://youtu.be/XVHXncaWo5U
Neurotransmitters	https://youtu.be/44UjIMst8RA
Synapse and synaptic transmission	https://youtu.be/i9kTwVi0XSg
Endocrine system	https://youtu.be/hn6YDo39tx4
Hormonal disorders 1	https://youtu.be/Y81Coi2XFnY
Hormonal disorders 2	https://youtu.be/ZxB_sTduzzA
Unit IV Reproductive Physiology	
Estrous cycle	https://youtu.be/kYAkwyEyWUk
Menstrual cycle	https://youtu.be/EN5j-ZRGROg
Hormonal control of reproduction in males and females	https://youtu.be/xtFxxq4roW8
Structure and physiology of mammalian Placenta	https://youtu.be/NOOic8c-zes
Osmoregulation and ionic regulation in aquatic animals	https://youtu.be/onFIPTp7e7I
Osmoregulation and ionic regulation in terrestrial animals	https://youtu.be/_YfZrV_bO5I
Thermoregulation in Poikilotherms and Homeotherms	https://youtu.be/r6NXU6gsm1s
Unit V Agricultural Zoology	
Beneficial insects and Harmful insects	https://youtu.be/OmeI7bt2Fls
Apiculture	https://youtu.be/qzY6YZfup5g
Sericulture	https://youtu.be/pln8j_M2EtY
Unit VI Aquaculture	
Aquaculture	https://youtu.be/cGOu-PaNTis
Fresh water fish culture	https://youtu.be/F3BRX2rH5AM
Fish Products	https://youtu.be/6eGJP6VeKDQ