

Smt Sindhutai Jadhao Arts and Science Mahavidyalaya, Mehkar

B.Sc. II SEMESTAR III

ZOOLOGY

Topic	Link for Material
Unit-I Phylum Chordata	
Origin of Chordata	https://youtu.be/5nZzOH3_DyA
Amphioxus: Habits and habitat ,	https://youtu.be/oGfuR_fPg2c
Amphioxus: External Characters	https://youtu.be/5j9girs2I0k
Amphioxus: - Digestive system and feeding	https://youtu.be/kXzovPaifb8
Amphioxus:Excretory organs	https://youtu.be/i2wXsvBY0nc
Amphioxus: Habits and habitat ,	https://youtu.be/5I_M8xNTWuQ
Affinities of Amphioxus.	https://youtu.be/FhutcuwS6jA
Affinities of Agnatha: Type study: Scoliodon sarrokawah (Dogfish) – Habits and habitat	https://youtu.be/wYHUdTde2Ks
Scoliodon sarrokawah (Dogfish) – , External Characters	https://youtu.be/PFOd5YAcQyg
Scoliodon sarrokawah (Dogfish) – ,Digestive system: alimentary canal and digestive glands	https://youtu.be/brPWY7RbGzY
Scoliodon sarrokawah (Dogfish) – , Respiratory system: respiratory organ and mechanism of respiration	https://youtu.be/zSA7kcGpcNs
Scoliodon sarrokawah (Dogfish) – , circulatory System: Structure and working of Heart, major arteries and veins, Lateral line receptors	https://youtu.be/gKi6S8746RA
Scoliodon sarrokawah (Dogfish) – , Migration in fishes-Types, causes and significance	https://youtu.be/_GbnMNHwknQ
Unit II : Class Amphibia:	
Rana tigerina, Habits and habitat b sc zoology	https://youtu.be/T2iFqPqd2Zo
Rana tigerina, - external, characters	https://youtu.be/H9m-OH2gZHk
Rana tigerina, - Respiratory organs	https://youtu.be/FRJZMisdlow
Rana tigerina Circulatory system	https://youtu.be/aGoi7jdmBzY
Rana tigerina Structure of Heart, major arteries and veins	https://youtu.be/JPrRJtOfOZs
Rana tigerina urinogenital system	https://youtu.be/5FVPeZiryr8
Parental care in amphibia	https://youtu.be/Yg_r5FgsrNY
Class Reptilia: Type study- Calotes versicolor- Habits and habitat, External characters	https://youtu.be/IdUTxX02cHY
Calotes versicolor- circulatory system- Structure of Heart, major arteries and veins.	https://youtu.be/LZfTseed5I0
Calotes versicolor- Urinogenital system	https://youtu.be/DVjTWjXioVg
snake venom and anti-venom	https://youtu.be/1R0yDu-Sz-k
Unit III : Class Aves:	
Type study: Pigeon-Columba livia Habits and habitat	https://youtu.be/TNXjyphC_t0
Pigeon-Columba livia-External characters	https://youtu.be/mi2pDFsURss
Pigeon-Columba livia-Respiratory system	https://youtu.be/Oz0bZTZ5o8I
Pigeon-Columba livia-Urinogenital system	https://youtu.be/Fuzwwv18qPA
Flight adaptations	https://youtu.be/o0awfrHG2HU
Migration in birds	https://youtu.be/py6dq45n1s4
Class Mammalia: Primitive mammals: Prototheria	https://youtu.be/wOOHiVrb_ak
Class Mammalia: Primitive mammals: Metatheria	https://youtu.be/FR2tvioAKy4

Morphology of mammalian endocrine glands	https://youtu.be/dy9ybjfwE2o
Aquatic mammals	https://youtu.be/LQi2vV6hr24
Unit IV : Evolution:	
Evidences of organic evolution	https://youtu.be/j6ulbKkEhEQ
morphological and anatomical	https://youtu.be/Y_qs4XU2b28
physiological and biochemical	https://youtu.be/2aptWi7jehk
embryological evidences	https://youtu.be/eRhkItM7AxA
: Paleontological evidences:	https://youtu.be/2NMFRJ8Lpflk
Fossils and fossilization: petrified fossils dead and preserve bodies cast and moulds, trails and foot prints, condition for fossilizations. –,	https://youtu.be/dfu656kKNtw
Radioactive carbon dating of fossils - Living fossils.Importance of fossil record. Evidences from connecting links- Peripatus and Archaeopteryx.	
Radioactive carbon dating of fossils	https://youtu.be/kCnGGK-zFDc
Living fossils.Importance of fossil record. Evidences from	https://youtu.be/6kXtWci_t7Q
connecting links- Peripatus	https://youtu.be/6EJ2djYXX8Y
connecting links- Archaeopteryx.	https://youtu.be/UuZkA2NwwBI
Unit. V : Evolutionary Processes:	
Natural selection: Darwinism.	https://youtu.be/0WRJ7wnPzcM
Natural selection: Lamarckism	https://youtu.be/a0ivJpAPCdY
Speciation - definition of species –mode of speciation – Allopatric and Sympatric speciation B Sc Zoology	https://youtu.be/41GeNofa6iA
Modern concept of organic evolution-Neo Darwinism	https://youtu.be/rjH9lDMYz7s
Population Genetic :Hardy –Weinberg equilibrium,	https://youtu.be/L7rpgdOsq_s
Gene pool, Gene frequency, Genetic drift,	https://youtu.be/SRWXEMlI0_U
Convergent, Divergent and Parallel evolution, Coevolution	https://youtu.be/y4WdIPY5U-E
Unit VI : Adaptive radiations in mammals.	
Evolution of Man- brief accounts of Parapithecus	
Dryopithecus, Ramapithecus, Neanderthal man,	https://youtu.be/5xR04YQS2dM
Australopithecus,	https://youtu.be/JtEkyk8vZ6E
Homocreatus	
Cro-Magnon	https://youtu.be/PS-xv48nq1A