



B. Sc. (Zoology) Semester - III

Paper – I

(Life and Diversity of Animals – Chordates Protochordata to Amphibia)

Unit -1

Protochordata : General characters and classification up to order

https://youtu.be/B4lyIDOXH3A?si=tNWz_EDan_713-f

Herdmania : Structure, digestive system, ascidian tadpole and retrogressive metamorphosis

<https://youtu.be/2VIm3bTS5YU?si=74w9UJyjUFQ3jQNd>

Amphioxus : Structure, digestive system, circulatory system, sense organs and protonephridia

<https://youtu.be/TISEegVZCks?si=Mie5sndH-TJBmTRb>

Agnatha : General characters of Cyclostomata (Petromyzon and Myxine)

<https://youtu.be/gqxy5KAfgRM?si=NcqxFnFm9MKReUw3>

Unit- 2

Pisces : Salient features of Chondrichthyes and Osteichthyes, Origin of paired fins in fishes

https://youtu.be/yx8QshJFMfI?si=-NRK3VXCKml6p_1o

Migration and Accessory respiratory organs in fishes

<https://youtu.be/NIZTYN0NCyU?si=k9xXCJVQ25WQ6I2A>

Amphibia : General characters and classification up to order

<https://youtu.be/3VFqVu6ghfA?si=r4SqueszxRtSofosd>

Parental care and Neotony in Amphibia

<https://youtu.be/ISVxQlwp6WA?si=mPIIFcafccPtecbj>

Unit -3

Gametogenesis and type of eggs

<https://youtu.be/hm-1JhraCfw?si=6-KnibXWrxMfWmlb>

<https://youtu.be/IOTodSx9Cco?si=3xW4eOP4t6Xin2ye>

Types of scales of fishes, Development of placoid scales

https://youtu.be/YKReuEOh4u4?si=K8NYSKCTCjL_bpO1

https://youtu.be/IB8_XW-XMHY?si=WBWdURv4kxkPvZWq

Post fertilization development of fish

<https://www.youtube.com/watch?v=7uBWslUbRqY&pp=ygUmUG9zdCBmZXJ0aWxpemF0aW9uIGRldmVsb3BtZW50IG9mIGZpc2g%3D>

Unit -4

Frog Embryology - Cleavage , blastulation and gastrulation

<https://youtu.be/0p0pVSMPIjw?si=NoUPRPaERT0vEX0x>

<https://youtu.be/9dVa1KL7oxU?si=6ZuzVZWkDfRtusKq>

Fate map, Morphogenetic movements in gastrula of frog

https://youtu.be/bcC6G7IywYc?si=1_CLi6E3RXXwDnt

Development of Aortic arches of frog

<https://youtube.com/watch?v=WurNWO2kf3c&feature=shared>