



Shri Shivaji Education Society, Amravati's
Shri Pundlik Maharaj Mahavidyalaya, Nandura
Reaccredited by NAAC with 'C' grade
ISO 9001:2015

Department of Zoology

Sr. No	Name of Teacher	Topic Name	Notes & Power point Link
1.	Mr. S. B. Bhoje	UNIT-I : 1. Classification of Non-Chordata. 2. Phylum Protozoa: General characters. 3. Type study: Plasmodium vivax: Structure, Life-cycle. 4. Parasitic protozoan and human diseases': Malaria, Amoebiasis, Trypanosomiasis, Leishmaniasis	https://drive.google.com/drive/folders/19UDEKvrFoYDdE8SYU32KjcFr79PSfr9q
2.	Mr. S. B. Bhoje	UNIT-II : 1. Phylum Porifera: General Characters. 2. Type study: Scypha: Habits and habitat, External features, cell types, spicules & Structure and significances of canal system. 3. Phylum Coelenterata: General Characters, 4. Type study: Metridium: Habits and habitat, External features, Gastro-vascular cavity, Mesenteries, Reproduction.	https://drive.google.com/drive/folders/19UDEKvrFoYDdE8SYU32KjcFr79PSfr9q

	Ms. T.R.Marak wad	UNIT-II : 1. Phylum Porifera: General Characters. 2. Type study: Scypha: Habits and habitat, External features, cell types, spicules & Structure and significances of canal system. 3. Phylum Coelenterata: General Characters, 4. Type study: Metridium: Habits and habitat, External features, Gastro-vascular cavity, Mesenteries, Reproduction.	https://docs.google.com/presentation/d/1caF-2bX3n8tS9naE73ztcqjYqL_DQgpC/edit?usp=sharing&ouid=102574873907262589518&rtpof=true&sd=true
3.	Mr. S. B. Bhoje	UNIT-III: 1. Phylum Platyhelminthes: General Characters. 2. Type study: Fasciola hepatica: Habits and habitat, External features, Digestive, Excretory, Reproductive system and Life cycle. 3. Phylum Aschelminthes: General Characters. 4. Type study, Ascaris lumbricoides: Habits and habitat, External features, Digestive, Excretory, Reproductive system and Life cycle.	https://drive.google.com/drive/folders/19UDeKvrFoYDdE8SYU32KjcFr79PSfr9q
		UNIT-IV:	

4.	Mr. S. B. Bhoje	<p>1. Phylum Annelida: General Characters.</p> <p>2. Type study: Leech: External features, Digestive, Excretory and Reproductive system.</p>	https://drive.google.com/drive/folders/19UDeKvrFoYDdE8SYU32KjcFr79PSfr9q
----	------------------------	--	---

		<p>3. Phylum Arthropoda: General Characters</p> <p>4. Type study: Cockroach: Habits and habitat, External features, Digestive system, Respiratory system, Reproductive system.</p>	
5.	Mr. S. D. Jadhav	<p>UNIT-I :</p> <p>1. Classification of Non-Chordata.</p> <p>2. Phylum Protozoa: General characters.</p> <p>3. Type study: Plasmodium vivax: Structure, Life-cycle.</p> <p>4. Parasitic protozoan and human diseases': Malaria, Amoebiasis, Trypanosomiasis, Leishmaniasis .</p>	https://drive.google.com/file/d/1YIPqiJ6eq7atIORFbcgAEsggJ4gMDVH/view?usp=sharing
6.	Mr. S. D. Jadhav	<p>UNIT-II :</p> <p>1. Phylum Porifera: General Characters.</p> <p>2. Type study: Scypha: Habits and habitat, External features, cell types, spicules & Structure and significances of canal system.</p> <p>3. Phylum Coelenterata: General Characters,</p> <p>4. Type study: Metridium: Habits and habitat, External features, Gastro-vascular cavity, Mesenteries, Reproduction.</p>	https://drive.google.com/file/d/1wP26EYTTBIkulCcsXGkggypSOIKESCm9/view?usp=sharing

7.	Mr. S. D. Jadhav	UNIT-III: 1. Phylum Platyhelminthes: General Characters. 2. Type study: Fasciola hepatica: Habits and habitat, External features, Digestive, Excretory, Reproductive system and Life cycle. 3. Phylum Aschelminthes: General Characters. 4. Type study, Ascaris lumbricoides: Habits and habitat, External features, Digestive, Excretory, Reproductive system and Life cycle.	https://drive.google.com/file/d/1fbOdCKVvoOzSf1qj7CodaEDAJmfPRtW/view?usp=sharing
----	-------------------------	---	---

8.	Mr. S. D. Jadhav	UNIT-IV: 1. Phylum Annelida: General Characters. 2. Type study: Leech: External features, Digestive, Excretory and Reproductive system. 3. Phylum Arthropoda: General Characters 4. Type study: Cockroach: Habits and habitat, External features, Digestive system, Respiratory system, Reproductive system.	https://drive.google.com/file/d/1ma7d1WhmMOUtbO1qBUdD7tDVT3DNvIVJ/view?usp=sharing
9.	Mr. S. D. Jadhav	UNIT-V : 1. Phylum Mollusca: General Characters. 2. Type study: Pila globosa: Habits and habitat, External features (Shell and Body), Digestive, Respiratory and Reproductive system. 3. Phylum Echinodermata: General Characters. 4. Type study: Asterias: Habits and habitat, External features, Digestive system, Water vascular system,	https://drive.google.com/file/d/12MKzLMEBspJ_b4jM9CKuwsRqcVTdhdS/view?usp=sharing

10.	Mr. S. D. Jadhav	UNIT-VI : 1. Phylum Hemichordata: General Characters, Body organization of Balanoglossus, Affinities of Balanoglossus, with non-Chordata, and Chordata. 2. Corals, coral-reefs. 3. Parasitic adaptations in Helminthes: Morphological and physiological 4. Larval forms and their significance: Amphiblastula, Planula, Trochophore, Bipinnaria, Brachiolaria,	https://drive.google.com/file/d/1sEW7mHnwuVvMJxXUCaO3ivoHqkPAc/view?usp=sharing
-----	------------------	---	---

Sr. No	Name of Teacher	Topic Name	Notes & Power point Link
1.	Mr. S. D. Jadhav	UNIT- I 1. General organization of Prokaryote and Eukaryote Cell. 2. Ultra structure and functions of Plasma membrane 3. Ultra structure types and functions of Endoplasmic reticulum	https://docs.google.com/presentation/d/1P-N1nhdOYqiGyK1uPTzySAfzU8n4ise/edit?usp=sharing&oid=102574873907262589518&rtpof=true&sd=true
2.	Mr. S. D. Jadhav	UNIT-II: 1. Ultra structure and functions of Golgi complex 2. Ultra structure and functions of Ribosome 3. Ultra structure and functions of Mitochondria. 4. Ultra structure and functions of Lysosomes.	https://drive.google.com/file/d/1IV8L4CFy9hymb1MEkvQxfcYPC3NOYLJ8/view?usp=sharing https://drive.google.com/file/d/1nZ11-3CCuIPNt81rx_3R9gVc_deIRI3v/view?usp=sharing
3.	Mr. S. D. Jadhav	UNIT-III: 1. Ultra structure and functions of nucleus and nucleolus. 2. Chromosome and its general organization. 3. Structure of Polytene and Lampbrush Chromosome.	https://drive.google.com/file/d/1P02X8CjINuqfr02svXi38ePkEgWLFqQi/view?usp=sharing https://drive.google.com/file/d/1NH_sypkXwJnYiRYbIztokTD0uohiQZTU/view?usp=sharing

4.	Mr. S. D. Jadhav	UNIT-IV: 1. Mitosis and its significance 2. Meiosis and its significance.	https://drive.google.com/file/d/1F8JlJxPiVYybQm9Uqk7NcIBiVsk63vDV/view?usp=sharing https://drive.google.com/file/d/1xgLy4_vynM7Td54xB5MV8tro1U3snCUW/view?usp=sharing
5.	Mr. S. D. Jadhav	UNIT V: 1 Cleavage, and development up to coelome formation in amphioxus 2. Cleavage, Blastulation and gastrulation up to the formation of three germ layers in Frog, Fatemap.	https://drive.google.com/file/d/1pkjPS2w-ENJzfGKUO1UHVCN9eu5aitF/view?usp=sharing
		3. Cleavage, Blastulation and gastrulation up to the formation of three germ layers in chick. 4. Extra embryonic membranes in chick: Development and significance.	
6.	Mr. S. D. Jadhav	UNIT V: 1 Cleavage, and development up to coelome formation in amphioxus 2. Cleavage, Blastulation and gastrulation up to the formation of three germ layers in Frog, Fatemap. 3. Cleavage, Blastulation and gastrulation up to the formation of three germ layers in chick. 4. Extra embryonic membranes in chick: Development and significance.	https://drive.google.com/file/d/1pkjPS2wENJzfGKUO1UHVCN9eu5aitF/view?usp=sharing

7.	Mr. S. B. Bhoje	UNIT-II: 1. Ultra structure and functions of, Golgi complex 2. Ultra structure and functions of Ribosome 3. Ultra structure and functions of Mitochondria. 4. Ultra structure and functions of Lysosomes.	https://drive.google.com/drive/folders/1QcbILLwPPzkdtrd66XJar2J6pGtTErCt
8.	Mr. S. B. Bhoje	UNIT-III: 1. Ultra structure and functions of nucleus and nucleolus. 2. Chromosome and its general organization. 3. Structure of Polytene and Lampbrush Chromosome.	https://drive.google.com/drive/folders/1QcbILLwPPzkdtrd66XJar2J6pGtTErCt
9.	Mr. S. B. Bhoje	UNIT-IV: 1. Mitosis and its significance 2. Meiosis and its significance.	https://drive.google.com/drive/folders/1QcbILLwPPzkdtrd66XJar2J6pGtTErCt

Sr. No	Name of Teacher	Topic Name	Notes & Power point Link
1.	Mr. S. B. Bhoje	UNIT-I : Concept of genes. Mendel's laws of hereditary – Monohybrid – Laws of dominance, law of segregation. Dihybrid cross – Law of independent assortment.	https://drive.google.com/drive/folders/1yYENIJ3mLqliwQJPEfhf76aCe b8Brdpe
2.	Mr. S. B. Bhoje	UNIT-II : Linkage - Types of linkage, linkage group, arrangement of linked genes, and significance of linkage.	https://drive.google.com/drive/folders/1yYENIJ3mLqliwQJPEfhf76aCe b8Brdpe
3.	Mr. S. B. Bhoje	UNIT-III : Sex determination: Autosomes and sex chromosomes, Sex determination in animals, Chromosomal Theory.	https://drive.google.com/drive/folders/1yYENIJ3mLqliwQJPEfhf76aCe b8Brdpe
4.	Mr. S. B. Bhoje	UNIT-V : Ecology: concept and scope: Abiotic factors: Water: Properties, water problem in terrestrial and aquatic habitat. Temperature: Temperature range, Temperature tolerance, Effects of temperature on animals.	https://drive.google.com/drive/folders/1yYENIJ3mLqliwQJPEfhf76aCe b8Brdpe

Sr. No	Name of Teacher	Topic Name	Notes & Power point Link
1.	Mr. S. B. Bhoye	UNIT-I : Phylum Chordata; Origin of Chordata. Protochordates:- Type study: Amphioxus: Habits and habitat , External Characters - Digestive system and feeding, Excretory organs, gonads- Affinities of Amphioxus.	https://drive.google.com/drive/folders/1RnVjKKRCug2Y3uG5sz_OddsV4EQ1IoCk
2.	Mr. S. B. Bhoye	Series Pices: Type study: Scoliodon sarrokawah (Dogfish) – Habits and habitat, External Characters, Digestive system: alimentary canal and digestive glands, Respiratory system: respiratory organ and mechanism of respiration, c	https://drive.google.com/drive/folders/1RnVjKKRCug2Y3uG5sz_OddsV4EQ1IoCk
3.	Mr. S. B. Bhoye	UNIT-II : Class Amphibia: Type Study – Rana tigerina, Habits and habitat, external, characters. Respiratory organs- Circulatory system; Structure of Heart	https://drive.google.com/drive/folders/1RnVjKKRCug2Y3uG5sz_OddsV4EQ1IoCk
	Ms. T.R.Marakwad	UNIT-II : Class Amphibia: Type Study – Rana tigerina, Habits and habitat, external, characters. Respiratory organs- Circulatory system; Structure of Heart	https://docs.google.com/presentation/d/1EZnq4e-bIcEj2GG5Mp0sTASvZOAaMBmV/edit?usp=sharing&oid=102574873907262589518&rtpof=true&sd=true

4.	Mr. S. B. Bhoje	Class Reptilia: Type study- Calotes versicolor- Habits and habitat, External characters, circulatory system- Structure of Heart, major arteries and veins. Urinogenital system, snake venom and anti-venom	https://drive.google.com/drive/folders/1RnVjKKRCug2Y3uG5sz_OddsV4EQ1IoCk
5.	Mr. S. B. Bhoje	UNIT-III : Class Aves: Type study: Pigeon- Columba livia Habits and habitat, External characters, Respiratory system	https://drive.google.com/drive/folders/1RnVjKKRCug2Y3uG5sz_OddsV4EQ1IoCk
6.	Mr. S. B. Bhoje	Class Mammalia: Primitive mammals: salient features of Prototheria and Metatheria, Morphology of mammalian endocrine glands. Aquatic mammals.	https://drive.google.com/drive/folders/1RnVjKKRCug2Y3uG5sz_OddsV4EQ1IoCk

Sr. No	Name of Teacher	Topic Name	Notes & Power point Link
1.	Mr. S. B. Bhoje	UNIT-I : Respiration: Structure of respiratory organs: Gills and Lungs Mechanism of respiration: regulation of ventilation in lungs,	https://drive.google.com/drive/folders/1uaMbJsn1v9XMaC6ooEBmlRe75bgArw2k
2.	Mr. S. B. Bhoje	Circulation: Blood: Definition and its constituents, functions of blood. Heart: Structure of human heart, pace maker, Cardiac cycle	https://drive.google.com/drive/folders/1uaMbJsn1v9XMaC6ooEBmlRe75bgArw2k
3.	Mr. S. B. Bhoje	UNIT-III : Nerve Physiology: Neuron: E.M. Structure of neuron and Types : Myelinated and non-Myelinated nerve fibres. Conduction of Nerve impulse	https://drive.google.com/drive/folders/1uaMbJsn1v9XMaC6ooEBmlRe75bgArw2k

4.	Mr. S. B. Bhoys	UNIT-IV : Reproductive Physiology: Estrous and menstrual cycle, hormonal control of reproduction in males and female, Structure and physiology of mammalian Placenta.	https://drive.google.com/drive/folders/1uaMbJsn1v9XMaC6ooEBmlRe75bgArw2k
5	Ms. T.R.Marakwad	UNIT-IV : Aquaculture	https://docs.google.com/presentation/d/1HP42agDmpoj_NJaicJIswYWnPcJev1ce/edit?usp=sharing&oid=102574873907262589518&rtpof=true&sd=true https://docs.google.com/presentation/d/1YbvQLRiagx0i0nY0GyAQf6xLsWt_vKNf/edit?usp=sharing&oid=102574873907262589518&rtpof=true&sd=true https://docs.google.com/presentation/d/1-dRU13j5QgNC6W2VIKvB8ngIz3ARoeDi/edit?usp=sharing&oid=102574873907262589518&rtpof=true&sd=true https://docs.google.com/presentation/d/1PJby4kRxJ08BjIPiFiNdgbYPB7kq6GdZ/edit?usp=sharing&oid=102574873907262589518&rtpof=true&sd=true

Sr. No	Name of Teacher	Topic Name	Notes & Power point Link
1.	Mr. S. B. Bhoje	UNIT-I: Genetic material-definition, Experiments to prove DNA as genetic material: Griffiths transformation experiments with bacteriophage infections	https://drive.google.com/drive/folders/16TkdhUXurvpF3yl1JNYQyU04U2HVwV0
2.	Mr. S. B. Bhoje	UNIT-II: DNA replication: semi conservative method; experiment by Messelson and Stahl. Concept of genes, one gene one enzyme hypothesis, one gene one Polypeptide theory	https://drive.google.com/drive/folders/16TkdhUXurvpF3yl1JNYQyU04U2HVwV0
3.	Mr. S. B. Bhoje	UNIT-III: Genetic code and its features, Protein synthesis transcription and processing of mRNA	https://drive.google.com/drive/folders/16TkdhUXurvpF3yl1JNYQyU04U2HVwV0
4.	Mr. S. B. Bhoje	UNIT-IV: Mutation: Definition-mutation theory of DeVries different types of mutations, - molecular basis of mutation: substitution and frameshift mutations, chromosomal aberrations structural (deletion,	https://drive.google.com/drive/folders/16TkdhUXurvpF3yl1JNYQyU04U2HVwV0

S. B. Bhoje

Head
Department of Zoology
Shri Pundlik Maharaaj Mahavidyalaya
Nandura (Rly) Dist. Buldana (M.S.)

