

NUTAN ART'S COLLEGE, RAJAPUR
Teaching plan for the Year -2025-26
(Semester-I)

Name of the Teacher- Asst.Prof. Deshmukh S. N.
Class :-F.Y.B.Sc **Subject – ZOO-101 Genetics and Medical Zoology**
Month - July **Date:- 01/07/2025 To Date:- 31/07/2025**

Sr.Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No.of Lectures planned	No.of Lectures conducted	Remarks (level /extra lecture etc.
1st Week	Chap 1. Recapitulation of Mendelian Genetics: 1.1 Mendel's work: Selection of experimental plant 1.2 Mendelian Inheritance: Laws of heredity and their practical applications 1.3 Test cross and back cross.	Chap 1. Recapitulation of Mendelian Genetics: 1.1 Mendel's work: Selection of experimental plant 1.2 Mendelian Inheritance: Laws of heredity and their practical applications 1.3 Test cross and back cross	BBCL	01	01	
2nd Week	Chap 2 : Non-Mendelian Genetics: 2.1 Concept of Gene Interaction: Intra-allelic interactions and Interallelic interactions. 2.2: Dominance and Co-dominance. 2.3 Inter-allelic interactions: Co-dominance and incomplete dominance (concept of epistasis, complimentary factors (9 : 7), supplementary factors (9 : 3 : 4), inhibitory factors (13 : 3), duplicate dominant genes (factors) (15 : 1) 2.4 Lethal genes in Mus musculus.	Chap 2 : Non-Mendelian Genetics: 2.1 Concept of Gene Interaction: Intra-allelic interactions and Interallelic interactions. 2.2: Dominance and Co-dominance. 2.3 Inter-allelic interactions: Co-dominance and incomplete dominance (concept of epistasis, complimentary factors (9 : 7), supplementary factors (9 : 3 : 4), inhibitory factors (13 : 3), duplicate dominant genes (factors) (15 : 1) 2.4 Lethal genes in Mus musculus.	BBCL	02	02	

3rd Week	Chap – 3 :Multiple alleles: 3.1 Concept and characteristics. 3.2 ABO blood group system, Inheritance of Rh antigen, Erythroblastosis foetalis and their medicolegal importance.	Chap – 3 :Multiple alleles: 3.1 Concept and characteristics. 3.2 ABO blood group system, Inheritance of Rh antigen, Erythroblastosis foetalis and their medicolegal importance.	BBCL	02	02	
4th Week	Chap -4 : Chromosomes: 4.1 Introduction: Morphology and types of chromosomes 4.2 Chromatin, its structure and its types (Euchromatin and Heterochromatin). 4.3 Giant chromosomes (Polytene chromosome and Lamp brush chromosomes)	Chap -4 : Chromosomes: 4.1 Introduction: Morphology and types of chromosomes . 4.2 Chromatin, its structure and its types (Euchromatin and Heterochromatin). 4.3 Giant chromosomes (Polytene chromosome and Lamp brush chromosomes)	BBCL	02	02	
5th Week	4.4 Chromosomal Aberrations: Structural (Deletion, duplication, inversion and translocation) and Numerical (Euploidy, monoploidy, polyploidy - auto polyploidy & allopolyploidy and aneuploidy - monosomy, nullisomy, trisomy).	4.4 Chromosomal Aberrations: Structural (Deletion, duplication, inversion and translocation) and Numerical (Euploidy, monoploidy, polyploidy - auto polyploidy & allopolyploidy and aneuploidy - monosomy, nullisomy, trisomy).	BBCL	02	02	

Total No.of Lectures Planned during the month - 9 .
Total No of lecturer Conducted during the month - 9


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Signature of the Teacher


Principal
Nutan Arts College, Raja
Tal. Sangamner, Dist. Ahilyanagar-42

NUTAN ART'S COLLEGE, RAJAPUR
Teaching plan for the Year -2025-26

Name of the Teacher- Asst.Prof. Deshmukh S. N.
Class :-F.Y.B.Sc
Subject - ZOO-101 Genetics and Medical Zoology
Month - August
Date:- 01/08/2025 To Date:- 31/08/2025

Sr.Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No.of Lectures planned	No.of Lectures conducted	Remarks (level /extra lecture etc.
1st Week	Chap -5: Sex Determination: 5.1 Genetically controlled sex determination: (Heterogametic males: XX - XY & XX - XO systems, Heterogametic females: ZZ - ZW system), Genetic balance system in Drosophila.	Chap -5: Sex Determination: 5.1 Genetically controlled sex determination: (Heterogametic males: XX - XY & XX - XO systems, Heterogametic females: ZZ - ZW system), Genetic balance system in Drosophila.	LBBC	01	01	
2nd Week	5.2 Parthenogenesis and Gynandromorphism	5.2 Parthenogenesis and Gynandromorphism	LBBC	02	03	Extra Lec
3rd Week	Chap – 6: Sex-linked Inheritance: 6.1 Sex-linked inheritance: Characteristics, types (X - linked, Y - linked, and XY - linked).	Chap – 6: Sex-linked Inheritance: 6.1 Sex-linked inheritance: Characteristics, types (X - linked, Y - linked, and XY - linked).	LBBC	02	02	
4th Week	6.2 Examples of Sex-linked inheritance: Hemophilia, Colour blindness and Hypertrichosis	6.2 Examples of Sex-linked inheritance: Hemophilia, Colour blindness and Hypertrichosis	LBBC	02	02	

5th Week	Chap – 7: Introduction to Medical Zoology: 7.1 Definitions: Parasitology, host, parasite, vector, symbiosis, commensalisms, mutualism, parasitism and zoonosis. 7.2. Branches of medical zoology: Medical Protozoology, Medical Helminthology, Medical Entomology.	Chap – 7: Introduction to Medical Zoology: 7.1 Definitions: Parasitology, host, parasite, vector, symbiosis, commensalisms, mutualism, parasitism and zoonosis. 7.2. Branches of medical zoology: Medical Protozoology, Medical Helminthology, Medical Entomology.	LBBC	02	02	
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Total No.of Lectures Planned during the month - 09
Total No of lecturer Conducted during the month - 09


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NUTAN ART'S COLLEGE, RAJAPUR
Teaching plan for the Year -2025-26

Name of the Teacher- Asst.Prof. Deshmukh S. N.
Class :-F.Y.B.Sc **Subject – ZOO-101 Genetics and Medical Zoology**
Month - September **Date:- 01/09/2025 To Date:- 30/09/2025**

Sr.Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No.of Lectures planned	No.of Lectures conducted	Remarks (level /extra lecture etc.
1 st Week	Chap -8 :Epidemic Diseases in Human: Occurrence, causative organism, symptoms and eradication programs of the following: 8.1 Typhoid. 8.2 Cholera. 8.3 Small pox.	Chap -8 :Epidemic Diseases in Human Occurrence, causative organism, symptoms and eradication programs of the following: 8.1 Typhoid. 8.2 Cholera. 8.3 Small pox.	BBCL	02	02	Extra Lec
2 nd Week	Chap – 9:Vector Borne Diseases in Human: Occurrence, causative organism, symptoms and eradication programs of the following: 9.1 Dengue. 9.2 Chicken Guinea. 9.3 Viral Influenza. 9.4 Scabies.	Chap – 9:Vector Borne Diseases in Human: Occurrence, causative organism, symptoms and eradication programs of the following: 9.1 Dengue. 9.2 Chicken Guinea. 9.3 Viral Influenza. 9.4 Scabies.	BBCL	02	02	
3 rd Week	Chap. -10: Microbial Diseases in Human: Causative organism and clinical features of the following: 10.1 Tuberculosis. 10.2 Hepatitis. 10.3 AIDS.	Chap. -10: Microbial Diseases in Human: Causative organism and clinical features of the following: 10.1 Tuberculosis. 10.2 Hepatitis. 10.3 AIDS.	BBCL	02	04	Extra lec

4th Week	Chap. -11: Investigations and treatments of human physiological disorders: 11.1 Angiography. 11.2 Angioplasty.	Chap. -11: Investigations and treatments of human physiological disorders 11.1 Angiography. 11.2 Angioplasty.	BBCL	02	01	HOLIDAY GHATSTAPA NA
5th Week	11.3 Dialysis.	11.3 Dialysis.		02	02	

Total No.of Lectures Planned during the month - 10 .
Total No of lecturer Conducted during the month - 11


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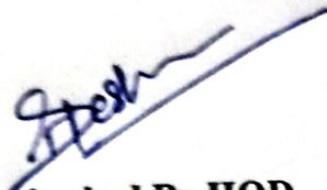

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NUTAN ART'S COLLEGE, RAJAPUR
Teaching plan for the Year -2025-26
(Semester I)

Name of the Teacher- Asst.Prof. Deshmukh S. N.
Class :-F.Y.B.Sc **Subject - ZOO-101 Genetics and Medical Zoology**
Month - October **Date:- 01/10/2025 To Date:- 17/10/2025**

Sr.Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No.of Lectures planned	No.of Lectures conducted	Remarks (level /extra lecture etc.
1 st Week	Chap -04 Limits and Continuity 4.1 Limits of Real valued funtion	Chap -04 Limits and Continuity 4.1 Limits of Real valued funtion	LBBC	02	02	
2 nd Week	4.1 Definition and examples, Algebra of limits and examples.	4.1 Definition and examples, Algebra of limits and examples.	LBBC	02	04	Extra lec
3 rd Week	4.2 Limit Theorems- Squeeze theorem and some results. 4.3 Continuity- Definition of deleted neighbourhood of a point, Continuity of a function at a point. Definitions and examples. 4.3 Algebra of Continuous functions, properties, Continuity aon an interval – Definition and examples.	4.2 Limit Theorems- Squeeze theorem and some results. 4.3 Continuity- Definition of deleted neighbourhood of a point, Continuity of a function at a point. Definitions and examples. 4.3 Algebra of Continuous functions, properties, Continuity aon an interval – Definition and examples.	LBBC	02	04	Extra lec

Total No. of Lectures Planned during the month - 06 .
Total No of lecturer Conducted during the month - 07



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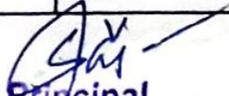
NUTAN ARTS, COM. & SCI. COLLEGE RAJAPUR

TAL - SANGAMNER DIST-A.NAGAR

~~Weekly~~ Summary of Teaching & Learning Process (Subjectwise)

Name of the Teacher: Prof. Deekmukh S.N.
 Class :- S.Y.B.Sc. Subject & Course :- Zo-242 Amazing world of Invertebrate
 Week Date:- 01/07/2025 To Date:- 17/10/2025 (Semester-III)

Sr. No.	Class	Name Of Paper/ Course	Plan (number of Lecturer)	Actual (Number of Lectures)	Reasons of non - Compliance	Target Dates for Compliance
1	F.Y.B.Sc	ZOO-101 Genetics and Medical Zoology	34	36	-	-
2	S.Y.B.Sc	ZO-242 Amazing world of Invertebrate.	48	40	HOLIDAY	-
3	F.Y.B.A.	O.E -101. Apiculture	30	31	-	-
4						
5						


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Teaching plan for the Year 2025-26

Name of the Teacher: Prof. Deshmukh S.N.

Class: S.Y. B.Sc.

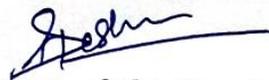
Date: 01/07/2025 To Date: 31/07/2025

Subject & Course: Zo-242 Amazing world of Invertebrates-I

Sr. Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No. of Lectures planned	No. of Lectures conducted	Remarks (level / extra lecture etc.)
1 st Week	Chapter No. :->01 Introduction to Taxonomy	1.1. Basic Terminology & scope 1.2 Introduction	BBCL	03	03	-
2 st Week	Introduction to Taxonomy	1.3 Linnaean Hierachy & concept of TR	BBCL	03	02	C.L.
3 st Week	Introduction to Taxonomy	1.4 Binomial Nomenclature 1.5. Five-kingdom class.	BBCL	03	03	-
4 st Week	Chapter No :->02 Phylum - Protozoa	2.1 Introduction to kingdom Protista	BBCL	03	03	-
5 st Week						

Total No. of Lectures Planned during the month 12 Total No of lecturer Conducted during the month 11


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Teaching plan for the Year 2025-26

Name of the Teacher: Prof. Dushmuth S.N.
 Class: S.Y.B.Sc Subject & Course: Zo-242... Amazing... world of Invertebrates
 Date: 01/08/2025 To Date: 31/08/2025

Sr. Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No. of Lectures planned	No. of Lectures conducted	Remarks (level /extra lecture etc.)
1 st Week	Phylum Protozoa.	2-2 Classification - Class Rhizopoda Class - Mastigophora Class - Alveola	BBCL	03	03	-
2 nd Week	Phylum Protozoa	2-3 Protozoan Locomotion - Pseudopodia, Flagella katta	BBCL	03	02	Holiday of Rakshabandhan.
3 rd Week	Phylum Protozoa		BBCL	03	00	Holiday of Pateki, Independence Day & Gopalkala.
4 th Week	Phylum Protozoa.	2-4 Economic roles of protozoa - Pathogenic.	BBCL	03	02	Holiday of Bailpola
5 th Week	Chapter No :- 03 Phylum Porifera	3.1 General characters and classification.	BBCL	03	03	-

Total No. of Lectures Planned during the month 15 Total No of lecturer Conducted during the month..... 10


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Teaching plan for the Year 2025-26

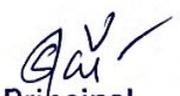
Name of the Teacher:- Prof. Dushmuth S.N.
 Class :- B.Y.B.Sc. Subject & Course :- Zo-242 Amazing world of Invertebrate
 Date:- 01/09/2025 To Date:- 30/09/2025

Sr. Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No. of Lectures planned	No. of Lectures conducted	Remarks (level /extra lecture etc.)
1 st Week	Phylum Porifera	3.2 Types of canal systems Asconoid, Syconoid.	BBCL	03	01	Holiday of Eid-E-milad & Anant chaturdashi
2 st Week	Phylum Porifera	3.3 Sponge skeleton - spicules & sponges.	BBCL	03	03	-
3 st Week	Phylum Porifera	3.4 Regeneration in sponges & their ecological importance	BBCL	03	03	-
4 st Week	Module: 04 Cnidaria Phylum Porifera	4.1. Classification class - Hydrozoa, hydra, Physalia, Aurelia, Anthozoa	BBCL	03	03	-
5 st Week						

Total No. of Lectures Planned during the month12..... Total No of lecturer Conducted during the month.....10.....


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Teaching plan for the Year 2025-26

Name of the Teacher:- Prof. Deshmukh S.N.
 Class :- 5.Y.B.Sc. Subject & Course :- ZO-242 Amazing world of Invertebrates
 Date:- 01/10/2025 To Date:- 31/10/2025

Sr. Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No. of Lectures planned	No. of Lectures conducted	Remarks (level /extra lecture etc.)
1 st Week	Phylum - Cnidaria	4.2 Polymorphism 4.3 coral reefs, formation, Types	BBCL	03	02	Mahatma Gandhi Jayanti
2 st Week	Chapter No.: 05 Phylum - Platyhelminthes	5.1 General Characters & Classification	BBCL	03	03	-
3 st Week	Phylum - Platyhelminthes.	5.2 Morphological Adaptations. 5.3 H. verticillata	BBCL	03	03	-
4 st Week		Importance of flatworms				
5 st Week						

Total No. of Lectures Planned during the month 09 Total No of lecturer Conducted during the month 08

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NUTAN ARTS, COM. & SCI. COLLEGE RAJAPUR

TAL - SANGAMNER DIST-A.NAGAR

Teaching plan for the Year 2025-26

Name of the Teacher: सा. देशमुख एस. एन.
 Class: E.Y.B.A. Subject & Course: मधुमाक्षिका पालन
 Date: 02/07/2025 To Date: 31/07/2025

Sr. Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No. of Lectures planned	No. of Lectures conducted	Remarks (level /extra lecture etc.)
1 st Week	1) मधुमाक्षिका अभ्यास	1.1. मधुमाक्षिका पालनाचा परिचय	BBCL	02	02	-
2 nd Week	1) मधुमाक्षिका अभ्यास	1.2 आग्यामाश्या सातेरी माश्या, फुलेरी माश्या.	BBCL	02	01	C-L
3 rd Week	1) मधुमाक्षिका अभ्यास	1.2 युरोपियन माश्या पध्दतशीर स्थिती, सवय, वितरण, वतीन.	BBCL	02	02	-
4 th Week	1) मधुमाक्षिका अभ्यास	1.3 मधुमाक्षिका जीवनचक्र, वसाहती संघटना.	BBCL	02	03	Extra lecture
5 th Week		भागी प्रम विभागी				

Total No. of Lectures Planned during the month 08 Total No of lecturer Conducted during the month 08

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TAL - SANGAMNER DIST-A.NAGAR

Teaching plan for the Year 2025-26

Name of the Teacher: पा. देशमुख एस. राज
 Class: F.Y.B.A. Subject & Course: मधुमाक्षिका पालन
 Date: 01/08/2025 To Date: 31/08/2025

Sr. Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No. of Lectures planned	No. of Lectures conducted	Remarks (level /extra lecture etc.)	
1 st Week	2) मधुमाक्षिका वर्तन आणि उपकरणे.	2.1 मधुमाक्षिका वर्तन आणि संवाद	BBCL	02	02	-	
2 st Week	2) मधुमाक्षिका वर्तन आणि उपकरणे	2.2 कृत्रिम मधुमाक्षिका पालन	BBCL	02	02	-	
3 st Week	2) मधुमाक्षिका वर्तन आणि उपकरणे	2.3 मधुमाक्षिका पालनाची उपकरणे.	BBCL	02	00	Holiday of Gopal Kala & Independence day	
4 st Week	2) मधुमाक्षिका वर्तन आणि उपकरणे.	2.4 मधु काढण्याच्या पध्दती	BBCL	02	01	Bailpola	
5 st Week	3) मधुमाक्षिके शत्रु आणि शेतांचा अभ्यास.	3.1 मधुमाक्षिके शत्रु: मोगाचे पतंग, वीरल	BBCL	02	02	-	
Total No. of Lectures Planned during the month			10			Total No of lecturer Conducted during the month	07

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Teaching plan for the Year 2025-26

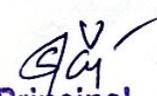
Name of the Teacher:.....पा. देशमुख एस. राज......
 Class :-.....F.Y.B.A...... Subject & Course :-.....मधुमाशिका पालन.....
 Date:- 01/09/2025 To Date:- 30/09/2025.

Sr.Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No.of Lectures planned	No.of Lectures conducted	Remarks (level /extra lecture etc.)
1 st Week	3) मधुमाशीचे शत्रु आणि रोगांचा अभ्यास	-	BBCL	02	00	Holiday Eid- E-milad & Anant chaturdash
2 st Week	3) मधुमाशीचे शत्रु आणि रोगांचा अभ्यास	3.2 मधुमाशी रोग - नोसेमा, चॉकबूँड, अमेरिकन फाकलंड	BBCL	02	02	-
3 st Week	3) मधुमाशीचे शत्रु आणि रोगांचा अभ्यास	3.3 मधुमाशी रोगाचे नियंत्रण & प्रतिबंधात्मक अपार.	BBCL	02	03	Extra Lecture
4 st Week	4) मधुमाशी अर्थशास्त्र आणि विणवण	4.1 मधुमाशी अर्थव्यवस्था:	BBCL	02	02	-
5 st Week						

Total No.of Lectures Planned during the month08..... Total No of lecturer Conducted during the month.....07.....


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Nutan Arts College, Rajapur
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NUTAN ARTS, COM. & SCI. COLLEGE RAJAPUR

TAL - SANGAMNER DIST-A.NAGAR

Teaching plan for the Year 2025-26

Name of the Teacher: प्र. देशमुख प्रा. गाव
 Class: B.Y.B.A Subject & Course: सधुमाशिकी पाठ्यक्रम
 Date: 01/10/2025 To Date: 31/10/2025

Sr. Week	Topics Planned	Topics Covered	Teaching tool/met hods used	No. of Lectures planned	No. of Lectures conducted	Remarks (level /extra lecture etc.)
1 st Week	4) मद्यमाशी अर्थशास्त्र आणि विपणन	मद्यमाशीपालन उद्योगातील उत्पादन & उपयोग	BBCL	02	03	Extra lecture
2 nd Week	4) मद्यमाशी अर्थशास्त्र आणि विपणन	4.2 मद्यमाशी परागकण आणि व्यावस्थापन	BBCL	02	02	-
3 rd Week	4) मद्यमाशी अर्थशास्त्र आणि विपणन.	4.3 मद्यमाशी-पालनतलिल कथोपकथा	BBCL	02	03	Extra lecture
4 th Week						
5 th Week						

Total No. of Lectures Planned during the month 06 Total No of lecturer Conducted during the month..... 08

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