

SNJB (Jain Gurukul's)

**K.K.H. Abad Arts, S.M.G. Lodha Commerce & S.P.H. Jain Science College
Neminagar, Chandwad-423101, Dist.-Nashik, Maharashtra**



Establishment
27/11/1928

(Affiliated to Savitribai Phule Pune University) Id. No.PU/NS/AC/015/1970

(02556) Off. 252125 Res.252126 Tel. Fax:02556-252125

• P. O. Box No.: 6 • E-mail : alccchandwad@yahoo.co.in

• Website : www.acschandwadcollege.com

DST-FIST Funded (2018-19)

UGC-NSQF Courses (B.Voc. & CC)

Best College Award by Savitribai Phule Pune University (2015-16)

1.3.2: Number of courses that include experiential learning through project work/field work/internship during the year

M.Sc. II Zoology - Project

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**Savitribai Phule Pune
University**
(Formerly University of Pune)

Two Year Degree Program in Zoology
(Faculty of Science & Technology)

Revised Syllabi for

M.Sc. (Zoology) Part-II

(for Colleges Affiliated to Savitribai Phule Pune University)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2020-2021

A handwritten signature in blue ink, appearing to read 'Swagh', written over the word 'HEAD'.

HEAD

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would get a privilege to select optional subjects of their choice. A total of 210 hours for theory lectures and 180 hours for laboratory work have been prescribed in each semester including a research project (advisable to be start at the first year in consultation with the department staff) to inculcate the research culture amongst students. This newly designed curriculum will allow students to acquire the skill in handling scientific instruments planning and performing in the laboratory and exercising critical judgement, independent thinking and problem solving skills.

M.Sc. Zoology - Course structure & Distribution of Credits

M.Sc. Zoology, Part -I,

Semester-I

| Sr. No. | Core Compulsory Theory Paper (CCTP) | Choice Based Optional Paper (CBOP) | Theory/practical | Credit | Core Compulsory Practical Paper (CCPP) | Credit |
|-----------------------------------|---|------------------------------------|---|--------|--|-----------|
| 1 | ZOUT 111 Biochemistry and Biochemical Techniques | - | | | - | 4 |
| 2 | ZOUT 112 Cell Biology and Developmental Biology | - | | | - | 4 |
| 3 | ZOUT 113 Genetics and English in Scientific Communication. | - | | | - | 4 |
| 4 | - | ZODT 114 Theory. | Biostatistics/ Freshwater Zoology | 2 | - | 4 |
| | | ZODP 114 Practical | Zoology Practical Paper-1 | 2 | | |
| 5 | - | - | | | ZOUP 115 Basic Zoology Lab-I | 4 |
| Total Credit of Semester 1 | | | | | | 20 |

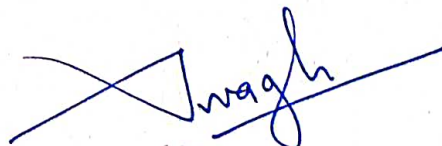


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M.Sc. Zoology, Part-I, Semester-II

| Sr. No. | Core Compulsory Theory Paper (CCTP) | Choice Based Optional Paper (CBOP) | Theory/ practical | Credit | Core Compulsory Practical Paper (CCPP) | Credit |
|---------|--|------------------------------------|----------------------------------|--------|--|-----------|
| 1 | ZOUT 121 Molecular Biology and Bioinformatics | - | | | - | 4 |
| 2 | ZOUT 122 Endocrinology and Parasitology | - | | | - | 4 |
| 3 | ZOUT 123 Comparative Animal Physiology and Environmental Biology. | - | | | - | 4 |
| 4 | - | ZODT 124 Theory. | Metabolic pathways / Ichthyology | 2 | - | 4 |
| | | ZODP 124 Practical | Zoology Practical Paper-2 | 2 | | |
| 5 | - | - | | | ZOUP 125 Basic Zoology Lab- II | 4 |
| | | Total Credit of Semester | | | | 20 |
| | | 2 | | | | |



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M.Sc. Zoology, Part-II, Semester - III

| Sr. No. | Core Compulsory Theory Paper (CTP) | Choice Based Optional Paper (CBOP) | Theory/ practical | Credit | Core Compulsory Practical Paper (CCPP) | Credit |
|---------|--|------------------------------------|---------------------------------------|--------|--|--------|
| 1 | ZOUT 231 Special Paper (any one) Animal Physiology-I/ Entomology-I/ Genetics-I | - | | | - | 4 |
| 2 | ZOUT 232 Fundamentals of Systematics and Economic Zoology | - | | | - | 4 |
| 3 | ZOUT 233 Research Methodology and Insect Physiology and Biochemistry | - | | | - | 4 |
| 4 | - | ZODT 234 Theory | Immunology/ Genetic Toxicology/ | 2 | - | 4 |
| | | ZODP 234 Practical | Zoology Practical Paper- 3 | 2 | | |
| 5 | - | - | | | ZOUP 235 Special Lab I | 4 |

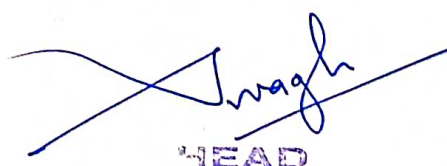


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M.Sc. Zoology, Part II, Semester – IV

| Sr. No. | Core Compulsory Theory Paper (CTTP) | Choice Based Optional Paper (CBOP) | Theory/practical | Credit | Core Compulsory Practical Paper (CCPP) | Credit |
|----------------------------|--|------------------------------------|--|--------|--|--------|
| 1 | ZOUT 241 Special Paper-Any One- Animal Physiology-II/ Entomology-II/ Genetics-II | - | - | - | - | 4 |
| 2 | ZOUT 242 Mammalian Reproductive Physiology and Aquaculture | - | - | - | - | 4 |
| 3 | - | ZODT 243 Theory | Histology and Histochemistry/ Pest Control | 2 | - | 4 |
| | | ZODP 243 Practical | Zoology Practical Paper-4 (Practicals corresponding to ZOUT 241 and ZODT 243) | 2 | | |
| 4 | - | ZODT 244 Theory | Pollution Biology/ Apiculture | 2 | - | 4 |
| | | ZODP 244 Practical | Zoology Practical Paper-5 (Practicals corresponding to ZOUT 242 and ZODT 244) | 2 | | |
| 5 | - | - | - | - | ZOUP 245 (Project) | 4 |
| Total Credit of Semester 4 | | | | | | 20 |

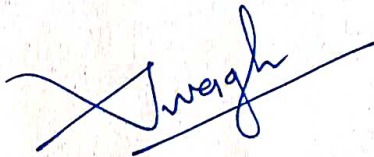


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Department of Zoology
Student Project List (2023-24)
Master of Science. (M.Sc.- II)

| Sr. No. | Students Name | Project Guide | Title of the Project. |
|---------|----------------------------|---------------|---|
| 1 | Aher Pratiksha Madhukar | P.S.Tidke | ."Poultry production in environmentally control (EC) house |
| 2 | Fatma Iqbal Ahmed | B.R.More | Dragon fly as a bio control agent |
| 3 | Gausiya Gurnaz sk Sabir | P.S.Tidke | Fish diversity, habitat ecology and their conservation on Girana dam in Malegaon |
| 4 | Momin Musfera Kausar | P.S.Jadhav | Haematological study and differential counting freshwater crab in malegaon |
| 5 | Tahoora Ab Malik | P.S.Dalavi | Study of an ethnozoological potential of leeches and their therapeutic applications. |
| 6 | Tahreem Hera Sayyed Gaffer | P.A.Kale | Urinary incontinence young, middle and older age in Malegaon |
| 7 | Nikhat Kausar Md | B.R.More | Diversity and abundance of avifauna in Malegaon region |
| 8 | Pawar Dipali Jibhau | P.S.Dalavi | Estimation of haemoglobin level among different age group in SNJB College. |
| 9 | Lokhande Sudhir Baburao | A.R. Shinde | Study of diversity of grasshopper (Orthoptera) From West Nashik District |
| 10 | Quraisi Laaeque Anjum | A.R. Shinde | Food adulteration in milks, honey and split arhar daal |
| 11 | Quraisi Humaira Khan | P.S.Tidke | Distribution and status of freshwater fish fauna in the water bodies of girana dam Malegaon |



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COORDINATOR

Internal Quality Assessment Cell
SNJB's K.K.H.A.Arts, S.M.G.L. Commerce
& S.P.H.J. Science College,
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PRINCIPAL

K.K.H.A. Arts SMGL Comm. & SPHJ
Science (Senior) & S.P.D.S. Arts,
Comm. & Science (Junior) College,
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PLACE OF RESEARCH WORK



ESTD - 1928

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SHRIMAN P.H. JAIN SCIENCE COLLEGE, CHANDVAD, NAHIK - 423101

Certificate

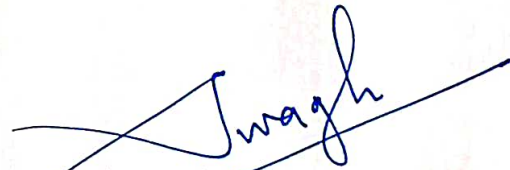
Savitribai Phule Pune University, Pune

There is to certify that the work incorporated in the dissertation entitled

DIVERSITY AND ABUNDANCE OF AVIFAUNA IN MALEGAON REGION Was satisfactorily carried out by Miss. NIKHAT KAUSAR MOHAMMAD SHAREEF M.Sc. II. She is bonafide student of the college. She has completed the project under my supervision and guidance during academic year 2023-2024. The project work submitted by her original and the scientific information's obtained from sources have been duly acknowledged.


10/05/24
**Prof. Bhumika
More Chavan**
Project Guide


Examiner


Swapnil D. Wagh

Head dept. of zoology

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