

K.T. S. P. Mandal's
Hutatma Rajguru Mahavidyalaya, Rajgurunagar.
Department of Zoology

Syllabus completion Report (A.Y.2023–2024)

T.Y.B.S.c. Zoology

Sem I

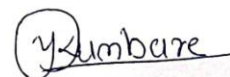
Course Code: ZO – 3510

Course Title: Aquarium management

| Sr. no. | Month | Topic | Teacher |
|----------------|--------------|--|----------------|
| 1. | Oct | 1.Introduction to Aquarium Fish Keeping: 1.1 The potential scope of Aquarium Fish Industry as a Cottage Industry. 1.2 Exotic and Endemic species of Aquarium Fishes. 1.3 Nutritional value of fish | YKD |
| 2. | Oct | 2.Introduction to Aquarium Fish Keeping: 1.1 The potential scope of Aquarium Fish Industry as a Cottage Industry. 1.2 Exotic and Endemic species of Aquarium Fishes. 1.3 Nutritional value of fish | YKD |
| 3. | Nov | 3.Food and feeding of Aquarium Fishes: 3.1 Use of live fish feed organisms. 3.2 Preparation and composition of formulated fish feeds. 3.3 Overview on types of fish food. | YKD |
| 4. | Nov | 4.Fish Transportation: 4.1 Live fish transport: a) Fish handling. b) Fish packing. | YKD |

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| | | c) Fish forwarding techniques. 4.2 Causes of mortality in transport. | |
| 5. | Nov | 5.Maintenance of Aquarium: 5.1 General Aquarium Maintenance - budget for setting up an Aquarium. 5.2 Fish Farm as a Cottage Industry, Rules & regulations of fish rearing. 5.3 Common diseases of Aquarium fish. | YKD |
| 6. | Dec | 6.Physico-chemical parameters of water for fish culture: 6.1 Acidity, Alkalinity, Calcium, Nitrate, Ammonia, Total hardness 7.Fish preservation: 7.1 Fish preservation and processing. | YKD |
| 7. | Dec | 8.Fish breeding: 8.1 Types of fish breeding - a) Natural fish breeding. b) Induced fish breeding | YKD |

As per above mention theory syllabus of Semester I completed successfully.



Prof. Dumbare Y.K.

Department of Zoology

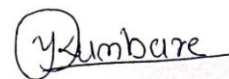
K. T. S. P. MANDAL'S
HUTATMA RAJGURU MAHAVIDYALAYA, RAJGURUNAGAR
Tal – Khed, Dist- Pune 410 505
A. Y. 2023-24
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T. Y. B. Sc. Zoology

ZO – 3511 Poultry Management

| Sr. No | Month | Topic | Professor |
|---------------|--------------|--|------------------|
| 1 | October | Introduction to Poultry Farming: 1.1 Definition of Poultry, Importance of Poultry Farming and Poultry Development in India. 1.2 Present and future prospects. | YKD |
| 2 | October | Breeding Management: 2.1 Male and female reproductive system of chicken. 2.2 Breeds and strains of broilers and layers of chicken. 2.3 General aspects of breeding for better egg production and body weight gain. 2.4 Selection and culling. 2.5 Artificial insemination. | YKD |
| 3 | November | Housing Management: 3.1 Establishment of poultry farm. 3.2 Housing and equipment. 3.3 Incubation and hatching of eggs. 3.4 Broiler and layer management. 3.5 Lighting schedule for poultry. | YKD |

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| | | 3.6 Transport strategy of Poultry birds. | |
| 4 | November | Feeding Management: 4.1 Digestive system and Digestion Mechanism of chicken. 4.2 Feed ingredients. 4.3 Feed processing. 4.4 Formulation of feed viz., Starter, Grower, Layer, Finisher and Breeder ration, Feed conversion ratio (FCR), Nutritional deficiency conditions. | YKD |
| 5 | November | Health Management: 5.1 Vaccination schedule for poultry birds. 5.2 Common poultry diseases, i. e. Ranikhet, Marek, Chicken pox, Gumboro, Infectious bronchitis and Chronic Respiratory Disease (CRD). 5.3 Control of internal and external parasites. | YKD |
| 6 | December | Poultry Products: 6.1 Preservation and storage of eggs. 6.2 Grading of eggs and AGMARK standard of egg. 6.3 Egg powder. 6.4 Slaughtering and processing of chicken. 6.5 Poultry By Products - Feathers and Poultry Manure. | YKD |

As per above mention SPPU T.Y.B.Sc Zoology theory syllabus of Semester I completed successfully.



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Report on Class Test conducted for T. Y. B. Sc. students

In our field of education students at center and their holistic development is the main objective. For that we use different student centric methods. The one of student centric method is Class test. I conducted Class Test of T. Y. B. Sc.

The Class test of T. Y. B. Sc. Students conducted on 15/12/2022 Total 14 students was present for this test.



A handwritten signature in blue ink that reads "Y. K. Dumbare".

Prof. Dumbare Y.K
Department of Zoology