

MAHARSHI DAYANAND SARASWATI UNIVERSITY,
AJMER

(105)

पाठ्यक्रम

SYLLABUS

SCHEME OF EXAMINATION AND
COURSES OF STUDY

FACULTY OF SCIENCE

Certified Course in
Basics of Ornithology



संस्करण

2019



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NOTICE

1. Change in Statutes/Ordinances/Rules/Regulations Syllabus and Books may, from time to time, be made by amendment or remaking, and a candidate shall, except in so far as the University determines otherwise comply with any change that applies to years he has not completed at the time of change. **The decision taken by the Academic Council shall be final.**

सूचना

1. समय-समय पर संशोधन या पुनः निर्माण कर परिणियमों/अध्यादेशों/नियमों / विनियमों / पाठ्यक्रमों व पुस्तकों में परिवर्तन किया जा सकता है, तथा किसी भी परिवर्तन को छात्र को मानना होगा बशर्ते कि विश्वविद्यालय ने अन्यथा प्रकार से उनको छूट न दी हो और छात्र ने उस परिवर्तन के पूर्व वर्ष पाठ्यक्रम को पूरा न किया हो। विद्या परिषद द्वारा लिये गये निर्णय अन्तिम होंगे।

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Syllabus

Certificate course in Basics of Ornithology (Six Months Duration)

Certificate in Ornithology

Eligibility : Graduate in any Discipline of science with 50% marks.
Admission will be strictly on merit basis. Preferences will be Given to (1) those candidates who are already employed or (2) those having background of Environmental Science

Seat : 20 seats

Scheme of Examination : Six months

Papers and Marks

Paper	Nomenclature	Marks
Paper-I	Basics of Ornithology	100
Paper-II	Bird Watching and Bird Conservation	100
Paper III	Project Work and Field Report	100
	Project work	50
	Field Report (Internal Evaluation only)	50
	Total	300

The marks of each Paper I to II are divided as under:

Seminar I - 10

Seminar II - 10

Internal assessment test I - 10

Internal assessment test II - 10

Performance - 10

Examination - 50

Total marks of each paper = 100 X 2 papers = 200

Project Work and Field Report 100

1 Project work 50

2 Field Report (Internal Evaluation only) 50

For evaluation of Project work, the candidate will give a presentation before the External Examiner. Marks for the Field Report will be awarded by the internal faculty. The students are required to secure minimum 20 marks (Pass Marks) separately in Project work and Field Report for passing.

The students are required to secure the marks as below:

Pass marks	40% in each Paper
II Division	48% and above in Aggregate
I Division	60% and above in Aggregate

Each paper (except Project Work/Field Report) will contain TEN questions having two questions from each unit. The candidates are required to attempt Five questions in all by selecting at least one question from each unit.

An education tour may be organized to important places of interest within or outside the State under the supervision of faculty member/s of the department. The expenses will be borne by the participating student. However, the university will provide train/bus travel concessions as per necessity and university rules. Traveling expenses of the teacher/s will be borne by the university as per rules of TA and DA.

This being a part time professional programmes, postgraduate students may be allowed to pursue this programme under the dual degree scheme. 75% attendance will be compulsory.

PAPER-I
BASICS OF ORNITHOLOGY

There are five units in all. Two questions will be set up from each unit and the candidates are required to attempt Five questions by selecting at least one question from each unit.
Time 3 hours Maximum Marks 100

Unit-I

Introduction: Ornithology, Evolution of birds, Importance of birds. Bird Classification

Unit-II

Bird Features

- (i) External Features like Head, Neck, Wings, Feathers, Feet and Claws, etc.
- (ii) Internal Features like Skeletal System, Muscular System, Circulatory System, Respiratory System, Digestive System, Urinogenital System, Nervous System, Vision, Hearing, etc

Unit-III

Breeding Biology

Territoriality, Nesting, Eggs, Incubation and care for the young, Brood parasitism.

Unit IV

Birds Activities: Flying, Walking, Eating, Perching on trees or wires, Drinking water, Singing, Nesting, Preening, Moulting, Bathing, Dust bath, Flocking, Roosting etc

Unit V

Migration in Birds: Modes of flight in Migration, Problems of way finding, Causes of Migration, Origin of Migration, Significance of Migration, Disadvantages of Migration.

PAPER-II

BIRD WATCHING AND BIRD CONSERVATION

There are five units in all. Two questions will be set up from each unit and the candidates are required to attempt Five questions by selecting at least one question from each unit.
Time 3 hours Maximum Marks 100

Unit- I

General Instruction by their physical features, flight, Bird Habitats Bird Counting/ Census

Unit-II

Bird Watching: Identification of Birds, Calls and songs.
Equipments for Bird Watching, Principles of Bird ethics.

Unit-III

Bird Conservation- Saving the birds, carry the birds in distress, First aids for diseased/ injured birds, Acts related to Bird conservation, National Parks & Bird Sanctuaries.

Unit-IV

Bird Photography: Understanding Camera basics & lenses & light conditions. Photographing- water bird, Small perching birds, Birds in Dark Forest, Seabirds & Shorebird, Birds in urban setting, Nesting birds.

Unit-V

Life of Salim Ali –The great ornithologist of India, Societies concerned with birds, Books written by Salim Ali.

Paper III

Project Work and Field Report

1. 4 to 6 Field trips for bird study. The trip will be day trips
2. Three days camp for study of bird and their habitats
3. Web Surfing of birds. 4. Preparing PPT