

D. P. Bhosale College, Koregaon

Department of Zoology

INDEX

Add on Certificate Course on Biodiversity and Conservation Year 2022-23

Sr. No.	Content
1	Notice
2	Syllabus
3	Objectives and Learning Outcomes
4	Time Table
5	List of Participants
6	Attendance
7	Question Paper
8	Result
9	Report
10	Certificate



D.P. Bhosale College, Koregaon

Department of Zoology

NOTICE

2022-23

Date: - 29/09/2022

All the students of B. Sc. II & III are here by informed that Department has organized "Add on Course on Biodiversity and Conservation" from Monday 3rd October 2022. All student are informed that they should remain present for course on time. It may clearly noted that fine will be collected from absent students.

Source

Head,

Department of Zoology

Add on Certificate Course On

Biodiversity and Conservation











Add on Certificate Course

On

Biodiversity & Conservation

Organized by

Department of Zoology

Course Incharge

Mr. Jawale C. B.

Course Duration: 03 Oct. 2022 -15 Nov. 2022

D.P. Bhosale College, Koregaon

Syllabus

Title - Add on Course on Biodiversity and Conservation

Total Hrs- 30

B. Sc. II & III (Zoology)

Theory

Unit 1: Biodiversity

What is biodiversity? Types of Biodiversity, Climatic Zones and Biodiversity, Biodiversity as a natural resource

Unit 2: Indian Biodiversity

Vegetational Zones, Zones of Faunal distribution, Major protected areas & their importance

Unit 3: Global Biodiversity

Major Biodiversity areas of the world Biodiversity Hot Spots Biogeography & Natural History

Unit 4: Biomes of the World

Characteristic flora and fauna Threatened species

Unit 5: Natural History

Natural History of Flora & Fauna of India- Major flora & Fauna Natural History of Western Ghats - Major flora & Fauna Methods of recording Natural History of a place Red Data Book and its significance Resident, Migrant, Vagrant species

Unit 6: Wildlife and Human welfare

Biomimetics Ethnobiology & Ecosystem people The Economics of Ecosystem and Biodiversity (TEEB)

Practical

- Using photographs / paintings / coloured drawings identify and study the classification, characteristics & ecological role of characteristic species (representative species only) from;
 - ♣ Protista protozoans
 - ♣Non-chordates major classes (Insecta upto orders)
 - Chordates major orders
- 2. Study of Morphological features of a fish (e.g. Mackerel, Tilapia, Dhoma (Johniussps.))
- 3. Study of morphological features of a bird (e.g. Pigeon)
- 4. Study of social casts / types (use diagrams / photographs) in ; Honey bee, ants, termites
- 5. Identification and study of venomous snakes, action of their venom and first aid for snake bites; Cobra (spectacled &monocled), Common krait, Banded krait, Russell's Viper, Saw scaled Viper, Pit vipers (Bamboo, Green, Malabar)



D.P. Bhosale College, Koregaon

Department of Zoology Year: 2022 - 23

Add on Certificate Course

on

Biodiversity & Conservation

Objectives

- To provide basic knowledge in the field of Biodiversity, Conservation and Wildlife Management
- To generate connection between part professional organizations working in the field of conservation and environment protection.
- To provide an alternate avenue to students.
- To create awareness about Biodiversity and Nature Conservation.

Learning outcomes

- The candidate will obtain knowledge and understanding of Ecological and evolutionary processes that are important for conservation of biodiversity.
- Important approaches and practices in biodiversity conservation and management.
- The candidate will be skilled in analyzing and evaluating the importance of biological processes on conservation of biodiversity. Critical reading and understanding of scientific results in conservation biology.
- The candidate will obtain competence on advanced understanding of biodiversity and conservation biology that is highly valuable both for scientific and management purposes.

In charge

Certificate Course

Head,

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Department of Zoology



D.P. Bhosale College, Koregaon

Department of Zoology

Add on Certificate Course on Biodiversity & Conservation

Time Table- 2022-23

Theory & Practical

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10.15-11.15 Theory	СВЈ	SPN	KJK	NAS	CBJ/SPN	KJK/NAS
08.30-10.30 Practical	СВЈ	SPN	KJK	NAS	СВЈ	KJK

CBJ - Mr. C. B. Jawale Souda

SPN - Dr. S. P. Nalawade

KJK - Dr. K. J. Kamble Bkamble

NAS - Ms. N. A. Shaikh

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D.P. Bhosale College, Koregaon

Department of Zoology

Add on Certificate Course on Biodiversity & Conservation

Time Table- 2022-23

Theory & Practical

Date	Time	Theory / Practical	Name of the teacher
03/10/2022	10.15-11.15	Theory	Mr. C.B. Jawale
04/10/2022	10.15-11.15	Theory	Dr. S. P. Nalawade
06/10/2022	10-15-11.15	Guest lecture	
07/10/2022	10.15-11.15	Guest lecture	
08/10/2022	10.15-11.15	Theory	Ms. N. A. Shaikh
10/10/2022	10.15-11.15	Theory	Mr. C.B. Jawale
11/10/2022	10.15-11.15	Theory	Dr. S. P. Nalawade
12/10/2022	10.15-11.15	Theory	Dr. K.J. Kamble
13/10/2022	08.30-10.30	Practical	Ms. N. A. Shaikh
14/10/2022	10.15-11.15	Theory	Mr. C.B. Jawale
15/10/2022	10.15-11.15	Theory	Dr. K.J. Kamble
17/10/2022	10.15-11.15	Theory	Mr. C.B. Jawale
18/10/2022	10.15-11.15	Theory	Dr. S. P. Nalawade
19/10/2022	10.15-11.15	Theory	Dr. K.J. Kamble
20/10/2022	08.30-10.30	Practical	Ms. N. A. Shaikh
28/10/2022	10.15-11.15	Theory	Mr. C.B. Jawale
29/10/2022	08.30-10.30	Practical	Dr. K.J. Kamble
31/10/2022	2022 10.15-11.15 Theory Mr. C.B. Jawale		
01/11/2022	10.15-11.15	Theory	Dr. S. P. Nalawade

02/11/2022	10.15-11.15	Theory	Dr. K.J. Kamble
03/11/2022	10.15-11.15	Theory	M3. N. A. Shaikh
04/11/2022	10.15-11.15	Theory	Dr. S. P. Nalawade
05/11/2022	08.30-10.30	Practical	Dr. K.J. Kamble
07/11/2022	10.15-11.15	Theory	Mr. C.B. Jawale
09/11/2022	10.15-11.15	Theory	Dr. K.J. Kamble
10/11/2022	08.30-10.30	Practical	Ms. N. A. Shaikh
11/11/2022	08.30-10.30	Practical	Mr. C.B. Jawale
12/11/2022	08.30-10.30	Practical	Ms. N. A. Shaikh
14/11/2022	08.30-10.30	Practical	Mr. C.B. Jawale
15/11/2022	08.30-10.30	Practical	Dr. S. P. Nalawade

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Rayat Shikshan Sanstha's D.P. Bhosale College, Koregaon Student list 2022-23

Add on Course on Biodiversity and Conservation

Sr. No.	Roll No.	Name of the Students
1	222338	Salunkhe Avishkar Arjun
2	222339	Sawant Shubham Dattatray
3	222351	Ghaytade Alankar Santosh
4	222362	Waydande Anjali Dhanaji
5	222363	waydande Anushka Ram
6	222364	Mane Avantika Anil
7	222365	Pawar Pooja Dagadu
8	222367	Anbhule Rohan Adinath
9	222369	Bhaldar Taslim Bakshuddin
10	222370	Devadiga Neha Ravi
11	222373	Singh Rutik Pramod
12	222374	Pujari Basavaraj Vitthal
13	222380	Gaikwad Ashish Shankar
14	222381	Ghorpade Amruta Kiran
15	222382	Godase Rutuja Dilip
16	222383	Bansode Sanika Dhananjay
17	222384	Godase Aishwarya Deepak
18	222385	Bhosale Amruta Suresh
19	222386	Makeri Nandukrishna Anil
20	222387	Matkar Rushikesh Chandrakant
21	222388	Sutar Harshada dyaneshwar
22	222389	Madane Nikhil Dilip
23	222390	Kamble Vrushali Chandrakant
24	222391	Yadav Vaishnavi Kiran
25	222392	Disale Vaishnavi Bhupesh
26	222393	Ghadge Kiran Bapu

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Month: October 2022

D.P. Bhosale College, Koregaon

Add on Certificate Course on Biodiversity and Conservation

STUDENT ROLL CALL

Roll No.	Name of the	1	2	3	4	5 6	7	8	9	10 11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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D.P. Bhosale College, Koregaon

Add on Certificate Course on Biodiversity and Conservation

STUDENT ROLL CALL

Roll No.	Name of the	1	2	3	4	5	6 7	8	9	10	11	12	1 3	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
222338	Salunkhe A. A.	AAS	AA3	AAS	AAS	Ada	AA	2	AAS	AAS	AAR	AAS	Ш,	HA3	AAS		<u>.</u>														
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Head
Department of Zoology
D. P. Bhosale College Koregoon

Month: Nov 2022

D. P. Bhosale College, Koregaon

Department of Zoology

Question Paper

Add on Certificate Course on Biodiversity and Conservation

Marks: 30

Instructions

- 1. All the questions are compulsory
- 2. Questions to the right Indicate full Marks
- 3. Draw neat and Labelled diagrams wherever necessary

Que. 1: Long questions (Any 2)

20

- a. What is biodiversity? Describe in details Types of Biodiversity.
- b. Explain in brief Major Biodiversity areas of the world.
- c. Explain the Major protected areas & their importance

Que. 2: Write short notes on following (Any 2)

10

- a. Hot spots in India
- b. Red data Book
- c. Threatened species



Rayat Shikshan Sanstha's D.P. Bhosale College, Koregaon Student list 2022-23

Add on Certificate Course on Biodiversity & Conservation

Marklist

Sr.	Roll No	Name of the Students			
No.			Que. 1 20	Que. 2 10	Total 30
1	222338	Salunkhe Avishkar Arjun	17	08	25
2	222339	Sawant Shubham Dattatray	ia	09	28
3	222351	Ghaytade Alankar Santosh	116	08	24
4	222362	Waydande Anjali Dhanaji	15	09	29
5	222363	waydande Anushka Ram	17	09	26
6	222364	Mane Avantika Anil	1.8	09	27
7	222365	Pawar Pooja Dagadu	15	07	22
8	222367	Anbhule Rohan Adinath	13	08	21
9	222369	Bhaldar Taslim Bakshuddin	124	07	21
10	222370	Devadiga Neha Ravi	18	08	26
11	222373	Singh Rutik Pramod	13	09	22
12	222374	Pujari Basavaraj Vitthal	14	09	23
13	222380	Gaikwad Ashish Shankar	15	68	23
14	222381	Ghorpade Amruta Kiran	19	09	28
15	222382	Godase Rutuja Dilip	16	08	24
16	222383	Bansode Sanika Dhananjay	17	09	26
17	222384	Godase Aishwarya Deepak	15	09	24
18	222385	Bhosale Amruta Suresh	12	09	2
19	222386	Makeri Nandukrishna Anil	15	06	21
20	222387	Matkar Rushikesh Chandrakant	18	09	27
21	222388	Sutar Harshada dyaneshwar	19	08	27
22	222389	Madane Nikhil Dilip	15	09	24
23	222390	Kamble Vrushali Chandrakant	17	08	25
24	222391	Yadav Vaishnavi Kiran	13	09	22
25	222392	Disale Vaishnavi Bhupesh	19	08	27
26	222393	Ghadge Kiran Bapu	17	08	25

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Rayat Shikshan Sanstha's **D. P. Bhosale College, Koregaon**

Department of Zoology

Report

Add on Certificate Course on Biodiversity and Conservation

The aim of the course is to train future leaders in biodiversity, conservation and natural resource management. Thus, the course teaches conservation as a dynamic discipline integral to all the major areas of human concern - social and environmental governance, political economy, spatial planning, agriculture, population growth, livelihoods, human and institutional capacity, investment and markets, in addition to the hard science of biodiversity.

Department of Zoology has offered this course for B.Sc. II students. This course will cover conservation and biodiversity at both the population and ecosystem level with focus on ecological and evolutionary processes and their interactions.



Dr. Amit Sayyad Delivering guest lecture

This course was conducted during the 03rd October 2022 to 15th November 2022. During this period the lectures and practicals were conducted by resource faculties. In this period department has organised 2 guest lectures of Dr. Amit Sayyad and Mr. T.M. Mohite on Biodiversity in India and Biodiversity respectively. Mr. C.B. Jawale, Dr. Mrs. S.P. Nalawade, Dr. Miss. K. J. Kamble and Miss N.A. Shaikh conducted the practicals and theory period.



Group photo with Forest Department Faculty

26 students have took advantage of this course. Relevant principles from behavioural ecology, population ecology, genetics and evolution will be related to conservation biology and biodiversity. Both the theoretical foundations of conservation biology and empirical examples will be covered.

After completing this course the candidates gain knowledge and understanding of Ecological and evolutionary processes that are important for conservation of biodiversity - Important approaches and practices in biodiversity conservation and management. During this course the students get knowledge about Biodiversity. In this course the every faculty inculcate the awareness Biodiversity Conservation. Students getting the ideas need of conservation. The candidates skilled in Analysing and evaluating the importance of biological processes on

conservation of biodiversity. The candidates obtained competence on Advanced understanding of biodiversity and conservation biology that is highly valuable both for scientific and management purposes

During this course the students get knowledge about Biodiversity. In this course the every faculty inculcate the awareness Biodiversity Conservation. Students getting the ideas need of conservation.







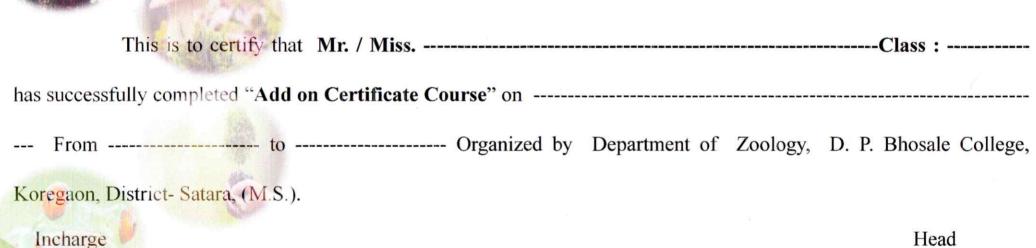
"Education through Self-help is our Motto"- KARMAVEER Rayat Shikshan Sanstha's

D.P. Bhosale College, Koregaon

District – Satara. (M.S.) NAAC Reaccredited 'A' (with CGPA 3.12)

Add on Course

CERTIFICATE



Head
Department of Zoology