



Education through self-help is our motto- KARMVEER

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya,

Ramanandnagar (Burli) Tal. Palus Dist. Sangli: 416 308

Founder: Padmabhushan Dr. Karmaveer Bhaurao Patil (P.U.)

•Email: ascc_rnagar@ymail.com •Website: www.asccramanandnagar.in

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Outward No.

Date:

Department of Zoology

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Value Added Course on Pearl Farming Year 2023-24

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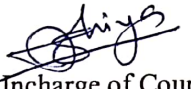
Date:

Department of Zoology

NOTICE

Year 2023-24

All the students of Zoology Department are hereby informed that, the value added course on pearl farming will be conducted from 1st December to 31st December, 2023. All the students should remain present for the lectures in time.


Incharge of Course


Head of Department,
Department of Zoology
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burl)



Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Zoology

Year: 2023-24

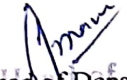
Value added course

Pearl farming

OBJECTIVES:

- ❖ To understand pearl oyster biology.
- ❖ To educate students on the various techniques used in pearl farming.
- ❖ To encourage students to stay updated on the latest developments and innovations in field of pearl farming.


Incharge of Course


Head of Department
Department of Zoology
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalay, Ramanandnagar (Burli)
Department of Zoology
Value Added Course on Pearl Farming
Syllabus
Year: 2023-24

1. Introduction to Pearl Farming:

- History and evolution of pearl farming
- Importance of pearls in the jewelry industry
- Pearl farming techniques and processes

2. Pearl Biology and Oyster Species:

- Anatomy of oysters
- Different species of oysters used in pearl farming
- The life cycle of oysters and pearl formation

3. Pearl Farming Techniques:

- Oyster selection and maintenance
- Pearl implantation methods
- Water quality and environmental factors
- Disease prevention and management

4. Pearl Harvesting and Grading:

- Harvesting pearls
- Cleaning and grading pearls
- Factors affecting pearl quality and value

5. Value Addition in Pearl Farming:

- Pearl treatment and enhancement techniques
- Pearl jewelry design and marketing
- Business aspects of pearl farming

7. Field Visits and Practical Training:

- Hands-on experience in pearl farming operations

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Department of Zoology

Value Added Course on Pearl Farming

TIMETABLE

Theory and Practical (Per week)


Year: 2023-24

Time	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
10.15-11.15 am	AMM	ABM	AAP	ABM	AAP	AMM

AMM- Mrs. A. M. Momin

ABM- Mr. A. B. Mane

AAP- Ms A. A. Patil


HOD, Dept.
Department of Zoology
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalay, Ramanandnagar (Burli)
Department of Zoology

Value Added Course on Pearl Farming

Student List

Sr. No.	Roll No.	Student name
1	1905	JAVIR VAIBHAV DNYANESHWAR (SINDHU)
2	1906	KHOT ANISHA ANIRUDDHA (SAKSHI)
3	1907	MORE SANIKA SANTOSH (SHAILA)
4	1909	PATHAN SOHEL AKIL
5	1910	PATIL DNYANESHWAR DATTATRAY
6	1911	PATIL SAKSHI SHASHIKANT (MINAKSHI)
7	1912	PAWAR KOMAL ANANDA (JAYASHRI)

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalay, Ramanandnagar (Burli)

Department of Zoology

Value Added Course: Pearl Farming

Attendance Sheet

Roll No.	Student name	11/12/23	21/12/23	31/12/23	5/12/23	6/12/23	7/12/23	8/12/23	9/12/23	10/12/23	12/12/23
1	JAVIR VAIBHAV DNYANESHWAR (SINDHU)	<u>JAVIR</u>	<u>DNYANESHWAR</u>	<u>JAVIR</u>	<u>DNYANESHWAR</u>	<u>JAVIR</u>	<u>DNYANESHWAR</u>	<u>JAVIR</u>	<u>DNYANESHWAR</u>	<u>JAVIR</u>	<u>DNYANESHWAR</u>
2	KHOT ANISHA ANIRUDDHA (SAKSHI)	<u>KAN</u>	<u>KAN</u>	<u>KAN</u>	<u>AB</u>	<u>KAN</u>	<u>KAN</u>	<u>KAN</u>	<u>KAN</u>	<u>KAN</u>	<u>KAN</u>
3	MORE SANIKA SANTOSH (SHAILA)	<u>SANIK</u>	<u>SANIK</u>	<u>SANIK</u>	<u>SANIK</u>	<u>SANIK</u>	<u>SANIK</u>	<u>SANIK</u>	<u>SANIK</u>	<u>SANIK</u>	<u>SANIK</u>
4	PATHAN SOHEL AKIL	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>AB</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>
5	PATIL DNYANESHWAR DATTATRAY	<u>DPP</u>	<u>DPP</u>	<u>DPP</u>	<u>AB</u>	<u>AB</u>	<u>DPP</u>	<u>DPP</u>	<u>DPP</u>	<u>AB</u>	<u>AB</u>
6	PATIL SAKSHI SHASHIKANT (MINAKSHI)	<u>SPK</u>	<u>SPK</u>	<u>SPK</u>	<u>SPK</u>	<u>SPK</u>	<u>SPK</u>	<u>SPK</u>	<u>SPK</u>	<u>SPK</u>	<u>SPK</u>
7	PAWAR KOMAL ANANDA (JAYASHRI)	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>AB</u>	<u>PKA</u>

Attendance Sheet

Roll No.	Student name	13/12/23	14/12/23	15/12/23	16/12/23	17/12/23	19/12/23	20/12/23	21/12/23	22/12/23	23/12/23
1	JAVIR VAIBHAV DNYANESHWAR (SINDHU)	<u>Present</u>	<u>Present</u>	<u>Present</u>	<u>Present</u>	<u>Present</u>	<u>Present</u>	<u>Present</u>	<u>Present</u>	<u>Present</u>	<u>Present</u>
2	KHOT ANISHA ANIRUDDHA (SAKSHI)	<u>K.A.H</u>	<u>K.A.H</u>	<u>K.A.H</u>	<u>W.A.H</u>	<u>A.B</u>	<u>K.A.H</u>	<u>K.A.H</u>	<u>A.B</u>	<u>A.B</u>	<u>K.A.H</u>
3	MORE SANIKA SANTOSH (SHAILA)	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>
4	PATHAN SOHEL AKIL	<u>Ab</u>	<u>Ab</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>
5	PATIL DNYANESHWAR DATTATRAY	<u>DDP</u>	<u>Ab</u>	<u>Ab</u>	<u>Ab</u>	<u>Ab</u>	<u>DDP</u>	<u>DDP</u>	<u>DDP</u>	<u>DDP</u>	<u>DDP</u>
6	PATIL SAKSHI SHASHIKANT (MINAKSHI)	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>
7	PAWAR KOMAL ANANDA (JAYASHRI)	<u>Ab</u>	<u>Ab</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalay, Ramanandnagar (Burli)

Department of Zoology

Value Added Course: Pearl Farming

Attendance Sheet

Roll No.	Student name	24/12/23	25/12/23	27/12/23	28/12/23	29/12/23	30/12/23	31/12/23			
1	JAVIR VAIBHAV DNYANESHWAR (SINDHU)	<u>Present</u>	<u>Present</u>	<u>Present</u>	<u>Present</u>	Ab	Ab	<u>Present</u>			
2	KHOT ANISHA ANIRUDDHA (SAKSHI)	<u>KAT</u>	<u>KAT</u>	<u>KAT</u>	<u>KAT</u>	<u>KAT</u>	<u>KAT</u>	<u>KAT</u>			
3	MORE SANIKA SANTOSH (SHAILA)	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>	<u>Santosh</u>			
4	PATHAN SOHEL AKIL	<u>PSA</u>	Ab	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>	<u>PSA</u>			
5	PATIL DNYANESHWAR DATTATRAY	Ab	<u>DDP</u>	<u>DDP</u>	<u>DDP</u>	<u>DDP</u>	Ab	<u>PK</u>			
6	PATIL SAKSHI SHASHIKANT (MINAKSHI)	<u>SPAK</u>	<u>SPAK</u>	<u>SPAK</u>	<u>SPAK</u>	<u>SPAK</u>	Ab	<u>SPAK</u>			
7	PAWAR KOMAL ANANDA (JAYASHRI)	Ab	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>	<u>PKA</u>			

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalay, Ramanandnagar (Burli)
Department of Zoology
B. Sc. III

Value Added Course on Pearl Farming

Question Paper

2023-2024

Date

Marks 20

Q.1 Select the correct alternative and rewrite the sentences

1. What type of organism is commonly used in pearl culture?
 - a) Oyster
 - b) Fish
 - c) Coral
 - d) Sponge
2. Which part of the oyster secretes the material that forms a pearl?
 - a) Mantle
 - b) Shell
 - c) Gills
 - d) Foot
3. What is the nucleus of a cultured pearl typically made of?
 - a) Plastic
 - b) Metal
 - c) Sand
 - d) Mother-of-pearl
4. Which of the following is a key factor influencing the color of a pearl?
 - a) Water temperature
 - b) Moon phase
 - c) Oyster species
 - d) Nucleus material
5. What is the primary product of pearl culture?
 - a) Oyster meat
 - b) Pearl jewelry
 - c) Oyster shells
 - d) Seaweed
6. What is the term for the process of implanting a nucleus into an oyster to initiate pearl formation?
 - a) Harvesting
 - b) Nurturing
 - c) Grafting
 - d) Polishing

7. Which type of pearls are typically more valuable due to their rarity?
- a) Freshwater pearls
 - b) Saltwater pearls
 - c) Synthetic pearls
 - d) Seed pearls
8. How long does it typically take for a cultured pearl to form inside an oyster?
- a) A few days
 - b) A few weeks
 - c) A few months
 - d) Several years
9. What is the name of the famous pearl-producing region in Japan known for its Akoya pearls?
- a) Tahiti
 - b) Australia
 - c) Philippines
 - d) Mikimoto
10. Which of the following factors can affect the luster of a pearl?
- a) Oyster's age
 - b) Size of the nucleus
 - c) Surface imperfections
 - d) Water salinity



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Department of Zoology

Year: 2023-24

Value added course in Pearl farming

REPORT

Department of Zoology has conducted the one month certificate course of "Pearl farming". Now a days study the importance of pearl culture as a source of economic activity. In India, only 2 percent people has doing pearl farming. To encourage students in application oriented point of view to certain extent, Department of Zoology has started the value added certificate course in Pearl farming for B. Sc. III students.

The course was conducted during 1st December to 31st December, 2023. The objectives of this course are to provide the students to understand the detailed knowledge to understand the role of pearl culture technician and progression pathway, identify species capable of producing pearl, its anatomy and theoretical base of surgical implantations, post-care and pearl culture operations. Students along with the all faculty have visited to Ransh Pearl Farm Unit at Aandhali, Palus for training.

During this period the lectures and practical were conducted by faculties. During this course the students get knowledge about the pearl farming. Students



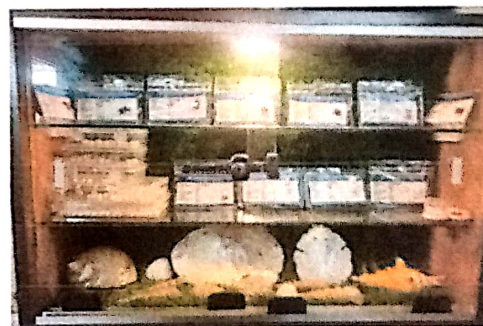
were sincerely attended and get hands on training of procedure of nuclear implantation for pearl oyster and harvesting of pearl and ensure safety, hygiene and sanitation practices for culture operations. In this course the every resource person inculcate to the Students getting the ideas and they will be involve in establishment of a business in their native areas to get job opportunity.



B. Sc. Students participation in the pearl culture training



Market grading costing of pearl



Formation of pearl in shell

[Signature]
Head of Dept.
Department of Zoology
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)

[Signature]
Principal,
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.



RAYAT SHIKSHAN SANSTHA'S

Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)

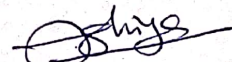
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Certificate/ Add-On/ Value added Certificate

2023-24

Certificate

This is to certify that, Mr./Ms./Miss...Pawar.....komal.....Ananda.....
participated in the Certificate/ Add-On/ Value added Certificate on
“**Vermicomposting/Pearl farming/Goat Farming**” Organized by Department of
Zoology, Dr. Patangrao Kadam Mahavidyalay, Ramanandnagar (Burli), Sangli
(Maharashtra).


Coordinator


Head Dept.
Department of Zoology
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)


Principal,
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.





RAYAT SHIKSHAN SANSTHA'S

Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)


DIST-SANGLI, MAHARASHTRA, INDIA-416 308


Certificate/ Add-On/ Value added Certificate
2023-24

Certificate

This is to certify that, Mr./Ms./Miss... Javir.....Vajbhav.....Dnyaneshwar.....
participated in the Certificate/ Add-On/ Value added Certificate on
"**Vermicomposting/Pearl farming/Goat Farming**" Organized by Department of
Zoology, Dr. Patangrao Kadam Mahavidyalay, Ramanandnagar (Burli), Sangli
(Maharashtra).


Coordinator


Head
Department of Zoology
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)


Principal
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.

