

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”

शिक्षणमहर्षि डॉ. बापूजी साळुंखे

SHRI SWAMI VIVEKANANDA SHIKSHAN SANSTHA, KOLHAPUR'S

**Padmbhushan Dr. Vasanttraodada Patil
Mahavidyala, Tasgaon.**

DEPARTMENT OF ZOOLOGY

**CERTIFICATE COURSE IN “SOIL AND
WATER ANALYSIS”**

2016-2017

Dissemination of Education through Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami VivekanandShikshanSanstha's, Kolhapur

Padmbhushan Dr. Vasantrodada Patil Mahavidyala, Tasgaon.

Department of Zoology

MEETING FOR SYLLABUS SETTING COMMITTEE (B.O.S.)

The meeting of syllabus setting committee (B.O.S.) will be organized for the syllabus formation of "SOIL AND WATER ANALYSIS" CERTIFICATE COURSE on 15/08/2016. The following member of the committee have to present for the syllabus setting.

Sr. No.	Name of Faculty	Designation	Signature
1	Dr. R.M. Ganeshwade	Chairman	<i>R.M. Ganeshwade</i>
2	Dr.G.K. Sontakke	Member	<i>G.K. Sontakke</i>
3	Dr. P.B. Teli	Member	<i>P.B. Teli</i>
4	Mr. V.M. Jadhav	Member	<i>V.M. Jadhav</i>
5	Miss. S.M. Patil	Member	<i>S.M. Patil</i>
6	Miss. P.S. Bhandare	Member	<i>P.S. Bhandare</i>
7	Miss. S.V. Pakhare	Member	<i>S.V. Pakhare</i>
8	Miss. K. B. Kumbhar	Member	<i>K.B. Kumbhar</i>

Yours faithfully

R.M. Wade

Course Coordinator

HEAD
DEPARTMENT OF ZOOLOGY,
PADMBHUSHAN DR. VASANTRODADA PATIL
MAHAVIDYALAYA, TASGAON, DIST. SANGLI

Dissemination of Education through Knowledge, Science and Culture"
-Shikshanmaharshi Dr. Bapuji Salunkhe
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Padmbhushan Dr. Vasantrodada Patil Mahavidyala, Tasgaon.
Certificate Course on Soli and Water Analysis
DEPARTMENT OF ZOOLOGY

YEAR 2016-17

Notice

30/06/2016

All the B.Sc I students of Zoology department are here by informed that the "Soli and Water Analysis" course will be started from 15/08/2016 up to 19/09/2016 at 8:00 AM. The attendance should be compulsory.

Head of Department



Dr. R.M. Ganeshwade

HEAD
DEPARTMENT OF ZOOLOGY,
PADMABHUSHAN DR. VASANTRAO DADA PATIL
MAHAVIDYALAYA, TASGAON, DIST. SANGLI

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”

शिक्षणमहर्षि डॉ. खापूजी भाळुंबे

Shri Swami Vivekananda Shikshan Sanstha, Kolhapur's
Padmbhushan Dr. Vasantodada Patil Mahavidyala, Tasgaon.

Department of Zoology

Certificate Course In "Soil And Water Analysis" 2016-2017

To,
The Principal,
P. D.V.P. Mahavidyalaya,
Tasgaon.

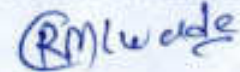
Respected sir,

As per your letter (Ref. No.Pdvp:/समक्ष/2016-17 dated 21/1/2016),
herewith I am submitting information of six weeks "***Certificate Course
In "Soil And Water Analysis" 2016-2017***" under Department of Zoology .

Kindly accept it.

Thanking You.

Yours Faithfully,



Dr. R.M. Ganeshwade

Co-Ordinator

Certificate Course In Soil and Water Analysis 2016-2017

HEAD
DEPARTMENT OF ZOOLOGY,
PADMBHUSHAN DR. VASANTODADA PATIL
MAHAVIDYALAYA, TASGAON

1) **Title of Course:** College Oriented Course In
Soil And Water Analysis (2016-17)

2) **Is the course affiliated to university --** No

3) **Duration of the course :** Six weeks
04 July 2016 to 08 August 2016

The course shall be a part time course of six weeks.

4) **Eligibility** : 10+2, B.Sc., B. Com., B.A., M.Sc., M.Com., M.A.,
Computer Science.

5) **MEDIUM OF INSTRUCTION:**

The medium of instruction shall be in English.

4) **Intake Capacity:** All B.Sc. I year students

5) **Syllabus of course**

Theory Syllabus

College Oriented Course in

SOIL AND WATER ANALYSIS

Unit 1: Introduction to Soil

1.1: Definition, Importance of soil analysis in Agriculture. (1)

1.2: Origin and formation of soil. (1)

1.3: Properties of Soil (4)

a. Physical Properties

b. Chemical Properties

Unit 2: Classification of Soil and Soil types in India (2)

Unit 3: Soil Fertility Factors and Maintenance of soil fertility in relation to Agriculture. (2)

Unit 4: Introduction to Water (9)

4.1: Definition, Importance of water analysis in relation to agriculture, human health and aquatic organisms.

4.2: Properties of Water

- a. Physical Properties
- b. Chemical Properties

Unit 5: Classification of Water (5)

- a. Marine Water
- b. Fresh Water
- c. Brackish Water
- d. Ice

Unit 6: Quality of Natural water and Polluted water with respect to its impact on Agriculture, Domestic use and on aquatic organisms. (4)

Unit 7: Methods of Soil testing and Water Analysis (12)

PRACTICAL SYLLABUS - :

I. SOIL ANALYSIS :

- 1) Collection and preservation
- 2) Analysis of particle size.
- 3) Water holding capacity.
- 4) Temperature.
- 5) pH.
- 6) Alkalinity
- 7) Chlorides.
- 8) Sulphates.
- 9) Organic matter
- 10) Boron.

I. WATER ANALYSIS :

- 1) pH
- 2) Temperature.
- 3) Total Solids (TS).
- 4) Total Dissolved Solids (TDS).
- 5) Total Suspended Solids (TSS).
- 6) Dissolved Oxygen.

- 7) Free Carbon di-oxide.
- 8) Total Alkalinity.
- 9) Hardness.
- 10) Chlorides.
- 11) Residual Chlorine.
- 12) Hydrogen Sulphide.
- 13) MPN of Coliforms.

8) Faculty involved in teaching the course

- 1) **Dr. R.M. Ganeshwade (HOD)**
- 2) **Dr.G.K. Sontakke**
- 3) **Dr. P.B. Teli**
- 4) **Mr. V.M. Jadhav**
- 5) **Miss. S.M. Patil**
- 6) **Miss. P.S. Bhandare**
- 7) **Miss. S.V. Pakhare**
- 8) **Miss. K. B. Kumbhar**

9) Time Table:

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Time	9.30 to 10.30am	9.30 to 10.30am	8.30 to 10.30am	8.30 to 10.30am	9.30 to 10.30am	9.30 to 10.30am
Faculty	Dr. R.M. Ganeshwade	Dr.G.K. Sontakke	Dr. P.B. Teli	Mr. V.M. Jadhav/ Miss. S.M. Patil	Miss. P.S. Bhandare	Miss. S.V. Pakhare/ Miss. K. B. Kumbhar
	Theory	Theory	Practical	Practical	Theory	Theory

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शिक्षणमहर्षि डॉ. सापूजी बालुंबडे

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Department of Zoology

Certificate Course In “Soil And Water Analysis” 2016-2017

NATURE OF QUESTION PAPER

Duration: 2 Hrs.

Total marks - 50

Q.1. Multiple choice questions (10)

Q2: Long answer type Questions (20)
Attempt **ANY One** from the following

Q3: Short Answer type Questions (20)

Attempt **ANY Two** from the following

IMPORTANCE OF COURSE

Soil and Water plays an important role in agriculture, human health and aquatic ecosystems. Presently, increasing population is responsible for pollution of soil and water. The quality of soil and water is declining day by day.

This certificate course is important because of following reasons :

- a. The course will be helpful to encourage the society in preventing soil and water pollution.
- b. Most of the students from Western Maharashtra belongs to agriculture background. This course intends to fulfill the requirement of agriculture within house and also provides solution for the society.
- c. This course gives job opportunities to the students in soil and water testing laboratories.

Dissemination of Education through Knowledge, Science and Culture"
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DEPARTMENT OF ZOOLOGY

YEAR 2016-17

Notice

20/09/2016

All the **B.Sc I** students of Zoology department are here by informed that the exam based on "Soli and Water Analysis" will held on **21 / 09/2016** at 5:00 PM. The attendance should be compulsory.

Head of Department

R.M. Ganeshwade

Dr. R.M. Ganeshwade

HEAD
DEPARTMENT OF ZOOLOGY,
PADMABHUSHAN DR. VASANTRODADA PATIL
MAHAVIDYALAYA, TASGAON, DIST. SANGLI

SHIVAJI UNIVERSITY, KOLHAPUR

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's
Padmabhushan Dr. Vasantodada Patil Mahavidyalaya, Tasgaon.
Certificate Course on Soil and Water Analysis
Dept. of Zoology

Date-21/09/2016

Marks-50

Q.1. Multiple choice questions

10

1. Which of the following is NOT an organic Material.
a. Worms b. Decayed animals c. **Rocks** d. Decayed plants
2. Most of the soil organism is.....
a. Psychrophiles b. Mesophiles c. Thermophiles d. all of the above
3. Temporary hardness is caused due to.....
a. Magnesium carbonate b. Calcium sulphate c. Magnesium sulphate d. Magnesium Chloride
4. Quantity of soil to be taken for texture analysis....
a. 10g b. 20g c. 30g d. 40g
5. The ratio of the volume of air to the total volume is.....
a. Air content b. Degree of saturation c. percentage air voids d. Void ratio
6. Out of the total land area, how many million hectares of land suffer from degradation.
a. 150 b. 175 c. 200 d. 225
7. The rate of soil erosion is faster in.....
a. Plains b. Mountains c. Valley d. plateau
8. The water content at which soil changes from the semi-solid state to the solid state is known as.....
a. Liquid limit b. Plastic limit c. **Shrinkage limit** d. None of the above
9. The particles of coarse grained are composed of.....
a. **Primary minerals** b. Non clay minerals c. clay minerals d. None of the above
10. Clay particles behave like.....
a. **Colloids** b. Amorphous solids c. Crystalline particles d. Non colloids.

Q. 2. Long answer questions (Any One)

(20)

1. Describe the classification of Soil ?
2. Methods of water analysis?

Q. 3. Short answer questions (Any Two)

(20)

1. Methods of soil testing?
2. Describe soil fertility factors?
3. Describe the Physical and Chemical Properties of Water ?

39
50

See

Date - 10/08/2021
Miss Khade Akash Shivaji
Roll No - 2574

Que 1 Multiple Choice question.

1) Which of the following is NOT an Organic material
(a) Worms (b) Decayed animals (c) Rocks (d) Decayed plants.

Ans - (c) Rocks

2) Most of the soil organism is ____
(a) Psychrophiles (b) Mesophiles (c) Thermophiles (d) All of Above.

Ans - Mesophiles

3) Temporary hardness is caused due to ____
(a) Magnesium carbonate (c) Magnesium sulphate
(b) Calcium sulphate (d) Magnesium chloride.

Ans - calcium sulphate

4) Quantity of soil to be taken for texture analysis ____
(a) 10 gm (b) 20 gm (c) 30 gm (d) 40 gm.

Ans - 20 gm

5) The ratio of the volume of air to the total volume is ____

(a) Air content (b) Degree of Saturation.
(c) Percentage air voids (d) void ratio.

Ans - Air content

6) Out of the total land area, how many million hectares of land suffer from degradation

(a) 150 (b) 175 (c) 200 (d) 225

Ans - 175

lipid
Date: 20/10/2023
Page: 10

⑦ The ratio of soil erosion is faster in

- (a) Plain (b) mountains (c) valley (d) Plateau

Ans → Plain

⑧ The water content at which soil changes from the semi-solid state to the solid state is known as —

- (a) Liquid limit (b) Plastic limit
(c) Shrinkage limit (d) None of the above.

Ans → Shrinkage limit.

⑨ The particle of coarse grained are composed of —

- (a) Primary minerals (b) Non clay minerals
(c) Clay minerals (d) Non colloids

Ans → Primary minerals

⑩ clay particles behave like

- (a) Colloids (b) Amorphous solid.
(c) Crystalline particles (d) Non-colloids.

Ans - Colloids.

10/10

Q 2

1. Describe the classification of soil

Soil is a natural resource that can be categorised into different soil type, each with distinct characteristics that provide growing benefits and limitation

Identifying the type of soil you require for a project is paramount to support the healthy growth of plant life

soil can be categorised into sand, clay, silt, peat, chalk & loam type.

1) Sandy soil

It is light, warm, dry & tend to be acidic & low in nutrients. sandy soils are often known as light soil due to their high proportion of sand & little clay.

These soils have quick water drainage and are easy to work with. They are quicker to warm up in spring than clays soils but tend to dry out in summer and suffer from low nutrient that are washed away by rain.

2) clay soil

clay soil is a heavy soil type that benefits from high nutrient clay soil remain wet and cold in winter dry out in summer

These soils are made of over 25% clay and it hold high amount of water

3) Silt soil

Silt soil is light & moisture retentive soil type with high fertility rating.

As silt soil comprises of medium sized particles they are well drained & hold moisture well.

4) Peat soil

Peat soil is high in organic matter & retains a large amount of moisture. This type is rarely found in garden & often important into garden to provide

5) Chalk soil

Either light or heavy but always alkaline due to calcium carbonate or lime within its structure they will not support growth of Ericaceous plants that require acidic soil.

6) Loam soil

It mixture of sand, silt & clay that combined avoid negative effect of each type.

These soil are fertile, easy to work with provide good drainage. Depending on their predominant composition they can be either sandy or clay loam.

As the soil are a perfect balance of soil particles, they are considered to be a gardener's best friend, but still benefit from topping up with additional organic matter.

$$\frac{10}{20}$$

Q3
2

Describe soil fertility factors

"Soil fertility refers to the ability of the soil to sustain plant growth"

- Factors Affecting Soil fertility

① Mineral Composition -

The mineral composition of the soil help to predict the ability of the soil to retain plant nutrients, Application of proper fertilizers & manures helps in enhancing the quality of the soil.

② Soil pH -

Soil pH helps in maintaining the nutrient availability of the soil. A pH range between 5.5-7 is optimum for soil fertility.

③ Soil texture -

The minerals of different sizes are responsible for maintaining the structure of the soil. clayey soil can retain more nutrients and hence acts as a nutrient reservoir.

④ Organic Matter

Organic matter is a source of nitrogen and phosphorus. These can be mineralized & made available to the plants.

⑤ Nutrient Replenishment

- Nutrients can be replenished in the following ways

① Adding manures & fertilizers

- fertilizers such as nitrogen, potassium & phosphorus are added to the soil to make it fertile. These are also added to the potted plants in gardens to enhance plant growth. NPK & Urea are the most common.

fertilizers required by the soil.

Urea adds nitrogen to the soil.

Whereas, NPK adds nitrogen, potassium & phosphorus to the soil.

② Leguminous Crops.

- Leguminous plants contain nitrogen-fixing bacteria such as *Rhizobium* in the root nodules. These bacteria trap atmospheric nitrogen & make it available to the plants in the form of nitrogen compounds. The remaining nitrogen compounds are mixed with the soil to increase its fertility.

Q.3. Describe the physical & chemical properties of water?

- Water is the chemical substance with chemical formula H_2O . One molecule of water has two hydrogen atoms covalently bonded to a single oxygen atom. Let us learn about the physical & chemical properties of water.

- Properties of water -

A glance of earth taken from space will depict it blue. This blue colour is actually water. The major part of the earth is covered with water.

We need water for almost everything. For ex. drinking, bathing, cooking etc. & therefore we should know about the properties of water. Water is essential for the survival of life on earth. Water is distributed unevenly on the earth's surface. It forms a major solvent & dissolves almost every polar solute. So, let us have a look at its properties & understand the reason for its significance.

⇒ Physical properties of water -

- Water is a colourless & tasteless liquid.
- The molecules of water have extensive hydrogen bonds resulting in unusual properties in the condensed form.

- This also leads to high M.P & B.P. As compared to other liquids water has a higher specific heat, thermal conductivity, surface tension, dipole moment etc.

→ Chemical properties of Water 134

- Amphoteric nature.
- water acts as acid & base which means that it is amphoteric in nature.

Acidic behaviour.



Basic behaviour



- Redox reaction.

- Hydrolysis reaction.

Chemical formula - H_2O .

Molecular mass - 18.01 g/mol.

odour - None.

Density ✓
- Solid - 0.9167 g/ml at 0°C
- liquid - 0.961893 g/ml at 25°C

B.P - 99.98°C

M.P - 0.00°C .

SHIVAJI UNIVERSITY, KOLHAPUR
Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's
Padmabhushan Dr. Vasantraodada Patil Mahavidyalaya, Tasgaon.
Certificate Course on Soli and Water Analysis

Dept. of Zoology

2016-2017

MARK LIST

Sr.No.	Roll No.	Students Name	Marks
1	2560	Autade Sweta Bharat	41
2	2561	Awale Sunil Parshram	45
3	2563	Bhat Priyanka Sanjay	40
4	2566	Chavan Prajakta Prakash	42
5	2567	Dabe Amit Bhagwat	45
6	2568	Jadhav Komal Govind	44
7	2569	Jadhav Supriya Uttam	48
8	2572	Joshi Mayuri Madhav	44
9	2574	Khade Akash Shivaji	39
10	2575	Koli Rohit Shivaji	48
11	2576	Landage Arun Krushnrao	47
12	2579	Londhe Poonam Bhiku	45
13	2580	Mali Komal Keshav	42
14	2581	Mali Priyanka Mahipati	43
15	2584	Mohite Komal N.	45
16	2586	Mohite Shital Jayvant	46
17	2589	Pagade Jyoti Anand	48
18	2592	Patil Ashwini Dipak	45
19	2593	Patil Jaya Sandipan	47
20	2595	Patil Pooja dipak	45
21	2597	Patil Priyanka V.	40
22	2599	Patil Rushikesh Dilip	39
23	2616	Kale Aboli Laxman	41
24	2600	Patil Sneha Ganesh	40
25	2754	Babar Rushikesh D.	41
26	2757	Bhosale Monali Popat	39
27	2760	Chavan Omkar Sunil	42

28	2778	Jadhav Utkarsh Narayan	40
29	2779	Jamadade Ajanti Sarjerao	44
30	2780	Jamadade Pooja Utaam	38
31	2781	Jamadade Pradnya Dilip	45
32	2783	Kale Rutuja S.	43
33	2785	Kolekar Prajakta M.	42
34	2787	Kumbhar Vaibhav N.	40
35	2801	Mohite Vijay Kisan	40
36	2804	Mursal Inzamam M.	43
37	2808	Nikam Akshay Subhash	45
38	2809	Patil Aishwarya Balaso	43
39	2811	Patil Ganesh Tanaji	39
40	2815	Patil Neha Rajendra	40
41	2816	Patil Nisha M.	43
42	2817	Patil Pavan R.	44
43	2819	Patil Prem Sampat	45
44	2821	Patil Puja Vijay	48
45	2823	Patil Rupali Maloji	48

RMCwade

HEAD
DEPARTMENT OF ZOOLOGY
FACULTY OF SCIENCE DASA PATIL
MANAGONGALA, HADAPSAL DIST. SANGLI

ATTENDANCE

Sr. No.	Roll No.	Name	Attendance											
			Date											
2580		Mali Komal K.	26/8/16	27/8/16	28/8/16	29/8/16	30/8/16	31/8/16	1/9/16	2/9/16	3/9/16	5/9/16	6/9/16	
2791		Mane Akash V.	Mali	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	
2616		Male Abal P	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	
2178		Jadhav Utkarsh	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	
2719		male Gaganur R	Gaganur	Gaganur	Gaganur	Gaganur	Gaganur	Gaganur	Gaganur	Gaganur	Gaganur	Gaganur	Gaganur	
2191		mane Akash V	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	
2792		mane Akshay P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	
2793		mane Ashish Kisan	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	
2798		manic Akshay Kumar P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	mane P	
2719		Jamdade Ajnadi	Jamdade	Jamdade	Jamdade	Jamdade	Jamdade	Jamdade	Jamdade	Jamdade	Jamdade	Jamdade	Jamdade	
2617		Mane Nikhil S	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	
2802		Mokale Shrautha Vishwas	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	
2810		Patil Diksha H.	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
2825		Patil Rutaga M	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
2594		Patil monika S.	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
2780		Jamdade Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	
2803		More Mayuri N	More	More	More	More	More	More	More	More	More	More	More	
2824		Patil Rubiksh	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
2846		Sagare Pooja D	Sagare	Sagare	Sagare	Sagare	Sagare	Sagare	Sagare	Sagare	Sagare	Sagare	Sagare	

C

Dr R.M. Ganeshwade.

SR.No	Roll No.	Name of student's	Sign.
1)	2559	Attar Neha Gaus.	<u>N.Gaus.</u>
2)	2560	Autade Shweta Bharat	<u>Shweta</u>
3)	2566	chavan vikas. Bapurao	<u>Chavan</u>
4)	2860	Yadav Jalinder Maruti Jalinder	<u>M.J. Yadav</u>
5)	2560	Autade Shweta Bharat.	<u>Shweta</u>
6)	2567	Dabe Amit Bhagwat	<u>Amit</u>
7)	2846	Sagare Puja Dilip	<u>P.D. Sagare</u>
8)	2848	Salunkhe Sonali Nandkumar	<u>S.Ng</u>
9)	2561	Awale Sunil Parshram.	<u>Awale.</u>
10)	2568	Sadhav komal govind	<u>Kavinde</u>
11)	2851	Shinde Jyoti Arjun	<u>Shinde</u>
12)	2562	Bansode Pradnya Arjun.	<u>Bansode.</u>
13)	2579 2570	Jadhav vrushali Baburao	<u>Jadhav</u>
14)	2854	Gudar Abishek Prakash	<u>A.P. Patil</u>
15)	2858	angh Pankaj uttam	<u>P.U. Angh</u>
16)	2563	Bhat Priyanka Sanjay	<u>Bhat.</u>
17)	2570 2569	Jadhav Supriya Uttam	<u>Jadhav</u>
18)	2870	Gurav Anantkumar Uttam	<u>GA</u>
19)	2871	Jadhav Aishwarya Vishwas	<u>A.V.J</u>
20)	2565	chavan Prajakata Prakash.	<u>Chavan.</u>
21)	2855	Swarni Priyanka Arjun	<u>P.A Swarni</u>
22)	2856	Thombase Pranav Ujjay	<u>Thombase</u>

R.M. Ganeshwade

DEPARTMENT OF ZOOLOGY,
PADMAKRUSHNAK CR. VADNAPUR DADA PATIL
MADRAS COLLEGE, TISSAUR, DIST. BANGULI

Dissemination of Education through Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami VivekanandShikshanSanstha's, Kolhapur

Padmbhushan Dr. Vasanttraodada Patil Mahavidyala, Tasgaon.

Department of Zoology

Certificate Course In "Soil And Water Analysis"

2016-2017

B. Sc. III

Mark List

Sr.No.	Roll No.	M/F	Name of Students	Mark's
1	3784	Female	THORAT SHUBHANGI BABAN	43
2	3785	Male	KUMBHAR TUKARAM SHIVAJI	44
3	3786	Female	PATIL SHUBHANGI KISAN	42
4	3787	Female	PATIL RADHIKA GULABRAO	41
5	3788	Female	DESAI SHWETA SUBHASH	45
6	3789	Female	PATIL ARATI RAMESH	43
7	3790	Female	GAVLI ASHWINI KISHOR	43
8	3791	Female	EDAKE TEJASWI RAMESH	46
9	3792	Female	HAKKE VAISHALI VINAYAK	48
10	3793	Female	DESHMUKH SHOBHA SHIVAJI	47
11	3794	Female	SHENDE KAJAL ANIL	45
12	3795	Female	MALI ASHWINI ANANDA	44
13	3796	Female	MALI VARSHA BHAUSO	42
14	3797	Female	MALI ROINI KUNDLIK	43
15	3798	Female	JADHAV SHRUTIKA DHANAJI	41
16	3799	Female	KOLEKAR KRUTIKALYANI KISHOR	43
17	3800	Male	TAMBOLI RIYAZ ILLAI	42

18	3801	Female	MANE SUNITA UTTAM	40
19	3802	Female	JADHAV GEETA KISAN	41
20	3803	Female	TAWADAR AISHWARYA YASHWANT	43
21	3804	Female	PATIL SARIKA UADDHAV	42
22	3805	Female	SHINDE AMRUTA RAMESH	48
23	3806	Female	PAWAR SHITAL VITTHAL	46
24	3807	Female	AOUTE PUJA MUKUND	47
25	3808	Female	JADHAV RESHMA RAJENDRA	45
26	3809	Female	MALI ASHWINI ASHOK	44
27	3810	Female	KADAM NIKITA SURESH	41
28	3351	Female	SAWWASHE SUPRIYA ASHOK	44
29	3352	Female	SHENDAGE MAYA JAGANNATH	43
30	3353	Female	SHENDAGE NITA DATTATRAY	42
31	3354	Female	SHENDAGE SNEHAL SUDHAKAR	41
32	3355	Female	SHENDAGE VAISHALI PANDURANG	38
33	3356	Female	SHINDE ANJALI VASANT	40
34	3357	Female	SHINDE BHAGYASHREE VISHNU	39
35	3358	Male	SHINDE PAVAN SURESH	48
36	3359	Female	SHINDE PRANALI SHASHIKANT	46
37	3360	Female	SHINDE SHITAL JANARDHAN	47
38	3361	Male	SHINDE SHUBHAM VIJAY	46
39	3362	Female	SHINDE SNEHAL GANESH	45
40	3363	Male	SHIVANKAR PRATIK POPAT	44
41	3364	Female	SUTAR SWAPNALI VIJAY	43
42	3365	Male	TOKALE AKASH PANDURANG	42
43	3366	Male	TORE SURAJ BABASO	41
44	3367	Female	WAGH SWAPNALI SAMBHAJI	40
45	3368	Female	WAGHMARE VISHAKHA SAMBHAJI	45

46	3369	Male	YADAV ABHIJIT RAMRAV	43
47	3370	Male	JADHAV AKSHAY ASHOK	43
48	3371	Female	JADHAV PRAJAKTA DNYANDEV	42
49	3372	Male	JAMDADE SANTOSH YUVRAJ	44
50	3373	Male	JAMDADE SOURABH SUDAM	45
51	3374	Female	MAHADIK VARSHA VISHWAS	47
52	3375	Male	MANE AMIT PANDURANG	39
53	3376	Male	MANE UDAYKUMAR PRATAP	41
54	3377	Female	PAWAR VAISHNAVI MANAJI	42
55	3378	Female	SALUNKHE SONIYA SUBHASH	42
56	3379	Male	SAWANT PRATIK JITENDRA	41
57	3380	Female	SURYAWANSHI PRIYANKA BALASAHEB	43
58	3381	Male	ZENDE BAJARANG VILAS	44
59	3382	Male	KARMAKAR PRATIK SATISH	45
60	3383	Male	AWASARE GANESH MOHAN	46
61	3384	Female	MORE SUPRIYA SAKHARAM	47
62	3385	Female	PAWAR SUPRIYA SUNIL	48
63	3386	Female	CHAVAN PRABHAVATI BHAUSO	46
64	3387	Male	BABAR RUTURAJ SANJAY	45

65	Female	ALDAR RUTUJA DAGDU	43
66	Male	BAKARE KRISHNA ANIL	42
67	Male	BHASME ADITYA SUNIL	41
68	Male	BHOSALE SATISH DILIP	42
69	Male	DHANGOLI LAXMAN VYANKAPPA	40
70	Male	DHOTARE AKSHAY PANDURANG	43
71	Male	GAIKWAD RUSHIKESH RAJENDRA	44
72	Male	HANKARE DILIP KONDIRAM	42

73	Female	KAGWADE SWATI BABASO	47
74	Male	KALBAGE SURAJ JAYWANT	48
75	Female	KHARMATE KOMAL RAMESH	46
76	Female	KOLEKAR SHITAL GOPAL	46
77	Male	KOLI SACHIN SUBHASH	45
78	Male	KOLI SAURABH RAJENDRA	44
79	Female	KUKADE SAYALI SURESH	43
80	Male	KUMBHAR SANTOSH ANIL	42
81	Female	MALI AISHWARYA SANJAY	41
82	Female	MALI PRAJAKTA RAMCHANDRA	42
83	Male	MALI UDAY UTTAM	43
84	Female	MANE MONIKA POPAT	43
85	Male	MANE VIJAY ANIL	42
86	Female	MULANI SUMAIYYA SHAHBUDDIN	41
87	Male	NYAYNIT PRAJIT RAGHUNATH	43
88	Male	PATIL AJINKYA DINKAR	42
89	Female	PATIL AKSHATA VIJAY	41
90	Female	PATIL ANAGHA AJIT	44
91	Female	PATIL GAYATRI ANKUSH	45
92	Female	PATIL JAYSHREE SHANKAR	46
93	Male	PATIL ROHIT RAMRAO	46
94	Male	PATIL SHUBHAM SARJERAO	47
95	Female	PAWAR ASHWINI ARVIND	48
96	Female	SHENDAGE MAYURI RAVINDRANATH	49
97	Male	SHENDAGE RUSHIKESH RAJENDRA	46
98	Female	SHENDAGE SHUBHANGI MARUTI	45
99	Female	SHINDE AKSHADA AMOL	43
100	Female	SHINDE NILAM GAJANAN	42
101	Female	SURYAVANSHI DHANASHRI BABURAO	41
102	Female	TAWDAR SUWARNA BALASO	43
103	Male	TODKAR SHAILESH MOHAN	43
104	Female	WAGHMARE AMRUTA POPAT	44

105	Male	YAMGAR SHRIDHAR SUDHAKAR	45
106	Female	ZAREKAR SHRUTIKA NITIN	45
107	Female	AUNDHE CHARUSHILA NAGNATH	43
108	Female	JADHAV POOJA UTTAM	44
109	Male	KABUGADE SANGRAM RAJARAM	41

(Handwritten signature)

HEAD
DEPARTMENT OF ZOOLOGY,
PADMABHUSHAN DR. VASANTRAO DADA PATIL
MAHAVIDYALAYA, TARGAON, DIST. SANGLI

79	Female	KUKADE SAYALI SURESH	P	P	P	P	P	P	P	P	P	P
80	Male	KUMBHAR SANTOSH ANIL	P	P	P	P	P	P	P	P	P	P
81	Female	MALI AISHWARYA SANJAY	P	P	P	P	P	P	P	P	P	P
82	Female	MALI PRAJAKTA RAMCHANDRA	P	P	P	P	P	P	P	P	P	P
83	Male	MALI UDAY UTTAM	P	P	P	P	P	P	P	P	P	P
84	Female	MANE MONIKA POPAT	P	P	P	P	P	P	P	P	P	P
85	Male	MANE VIJAY ANIL	P	P	P	P	P	P	P	P	P	P
86	Female	MULANI SUMAIYYA SHAHBUDDIN	P	P	P	P	P	P	P	P	P	P
87	Male	NYAYNIT PRAJIT RAGHUNATH	P	P	P	P	P	P	P	P	P	P
88	Male	PATIL AJINKYA DINKAR	P	P	P	P	P	P	P	P	P	P
89	Female	PATIL AKSHATA VIJAY	P	P	P	P	P	P	P	P	P	P
90	Female	PATIL ANAGHA AJIT	P	P	P	P	P	P	P	P	P	P
91	Female	PATIL GAYATRI ANKUSH	P	P	P	P	P	P	P	P	P	P
92	Female	PATIL JAYSHREE SHANKAR	P	P	P	P	P	P	P	P	P	P
93	Male	PATIL ROHIT RAMRAO	P	P	P	P	P	P	P	P	P	P
94	Male	PATIL SHUBHAM SARJERAO	P	P	P	P	P	P	P	P	P	P
95	Female	PAWAR ASHWINI ARVIND	P	P	P	P	P	P	P	P	P	P
96	Female	SHENDAGE MAYURI RAVINDRANATH	P	P	P	P	P	P	P	P	P	P
97	Male	SHENDAGE RUSHIKESH RAJENDRA	P	P	P	P	P	P	P	P	P	P
98	Female	SHENDAGE SHUBHANGI MARUTI	P	P	P	P	P	P	P	P	P	P
99	Female	SHINDE AKSHADA AMOL	P	P	P	P	P	P	P	P	P	P
100	Female	SHINDE NILAM GAJANAN	P	P	P	P	P	P	P	P	P	P
101	Female	SURYAVANSHI DHANASHRI BABURAO	P	P	P	P	P	P	P	P	P	P
102	Female	TAWDAR SUWARNA BALASO	P	P	P	P	P	P	P	P	P	P
103	Male	TODKAR SHAILESH MOHAN	P	P	P	P	P	P	P	P	P	P
104	Female	WAGHMARE AMRUTA POPAT	P	P	P	P	P	P	P	P	P	P
105	Male	YAMGAR SHRIDHAR SUDHAKAR	P	P	P	P	P	P	P	P	P	P
106	Female	ZAREKAR SHRUTIKA NITIN	P	P	P	P	P	P	P	P	P	P
107	Female	AUNDHE CHARUSHILA NAGNATH	P	P	P	P	P	P	P	P	P	P
108	Female	JADHAV POOJA UTTAM	P	P	P	P	P	P	P	P	P	P
109	Male	KABUGADE SANGRAM RAJARAM	P	P	P	P	P	P	P	P	P	P

Terph.
 Phanshe
 Bakhare
 KDK
 Phanshe
 Bakhare
 Terph
 Phanshe
 BKh
 Phanshe
 KDK

79	Female	KUKADE SAYALI SURESH	P	P	P	P	P	P	P	P	P	P
80	Male	KUMBHAR SANTOSH ANIL	P	P	P	P	P	P	P	P	P	P
81	Female	MALI AISHWARYA SANJAY	P	P	P	P	P	P	P	P	P	P
82	Female	MALI PRAJAKTA RAMCHANDRA	P	P	P	P	P	P	P	P	P	P
83	Male	MALI UDAY UTTAM	P	P	P	P	P	P	P	P	P	P
84	Female	MANE MONIKA POPAT	P	P	P	P	P	P	P	P	P	P
85	Male	MANE VIJAY ANIL	P	P	P	P	P	P	P	P	P	P
86	Female	MULANI SUMAIYYA SHAHBUDDIN	P	P	P	P	P	P	P	P	P	P
87	Male	NYAYNIT PRAJIT RAGHUNATH	P	P	P	P	P	P	P	P	P	P
88	Male	PATIL AJINKYA DINKAR	P	P	P	P	P	P	P	P	P	P
89	Female	PATIL AKSHATA VIJAY	P	P	P	P	P	P	P	P	P	P
90	Female	PATIL ANAGHA AJIT	P	P	P	P	P	P	P	P	P	P
91	Female	PATIL GAYATRI ANKUSH	P	P	P	P	P	P	P	P	P	P
92	Female	PATIL JAYSHREE SHANKAR	P	P	P	P	P	P	P	P	P	P
93	Male	PATIL ROHIT RAMRAO	P	P	P	P	P	P	P	P	P	P
94	Male	PATIL SHUBHAM SARJERAO	P	P	P	P	P	P	P	P	P	P
95	Female	PAWAR ASHWINI ARVIND	P	P	P	P	P	P	P	P	P	P
96	Female	SHENDAGE MAYURI RAVINDRANATH	P	P	P	P	P	P	P	P	P	P
97	Male	SHENDAGE RUSHIKESH RAJENDRA	P	P	P	P	P	P	P	P	P	P
98	Female	SHENDAGE SHUBHANGI MARUTI	P	P	P	P	P	P	P	P	P	P
99	Female	SHINDE AKSHADA AMOL	P	P	P	P	P	P	P	P	P	P
100	Female	SHINDE NILAM GAJANAN	P	P	P	P	P	P	P	P	P	P
101	Female	SURYAVANSHI DHANASHRI BABURAO	P	P	P	P	P	P	P	P	P	P
102	Female	TAWDAR SUWARNA BALASO	P	P	P	P	P	P	P	P	P	P
103	Male	TODKAR SHAILESH MOHAN	P	P	P	P	P	P	P	P	P	P
104	Female	WAGHMARE AMRUTA POPAT	P	P	P	P	P	P	P	P	P	P
105	Male	YAMGAR SHRIDHAR SUDHAKAR	P	P	P	P	P	P	P	P	P	P
106	Female	ZAREKAR SHRUTIKA NITIN	P	P	P	P	P	P	P	P	P	P
107	Female	AUNDHE CHARUSHILA NAGNATH	P	P	P	P	P	P	P	P	P	P
108	Female	JADHAV POOJA UTTAM	P	P	P	P	P	P	P	P	P	P
109	Male	KABUGADE SANGRAM RAJARAM	P	P	P	P	P	P	P	P	P	P

Te-98
 (129)
 KSK
 Bhambare
 Bhambare
 Te-98
 Bhambare
 KSK
 Bhambare
 (129)
 Bhambare

23	3806	PAWAR SHITAL VITTHAL	P.	P	A	P	P	P	P		P	P
24	3807	AOUTE PUJA MUKUND	P.	P	P	P	P	P	P		P	P
25	3808	JADHAV RESHMA RAJENDRA	P.	P	P	P	P	P	P		P	P
26	3809	MALI ASHWINI ASHOK	A.	P	P	P	P	P	P		P	P
27	3810	KADAM NIKITA SURESH	A.	P	P	P	A	P	P		P	P.
28	3351	SAWWASHE SUPRIYA ASHOK	A.	P	P	P	P	P	P		P	P
29	3352	SHENDAGE MAYA JAGANNATH	A.	P	P	P	P	P	P		P	P
30	3353	SHENDAGE NITA DATTATRAY	A.	P	P	P	P	P	P		P	P
31	3354	SHENDAGE SNEHAL SUDHAKAR	P.	A	P	P	P	P	A		P	P
32	3355	SHENDAGE VAISHALI PANDURANG	P.	P	P	A	P	P	P		P	P
33	3356	SHINDE ANJALI VASANT	P.	P	P	P	A	P	P		P	P
34	3357	SHINDE BHAGYASHREE VISHNU	A.	P	P	P	P	P	P		P	P
35	3358	SHINDE PAVAN SURESH	P.	P	P	P	P	P	P		P	P
36	3359	SHINDE PRANALI SHASHIKANT	P.	P	P	P	P	A	P		P	P.
37	3360	SHINDE SHITAL JANARDHAN	P.	P	P	P	P	P	P		P	P
38	3361	SHINDE SHUBHAM VIJAY	P.	P	A	P	P	P	A		P	P
39	3362	SHINDE SNEHAL GANESH	A.	P	A	P	A	P	P		P	P
40	3363	SHIVANKAR PRATIK POPAT	P.	P	A	P	A	P	P		P	P
41	3364	SUTAR SWAPNALI VIJAY	P	P	A	P	P	P	P		P	P
42	3365	TOKALE AKASH PANDURANG	P.	P	P	P	P	P	P		P	P
43	3366	TORE SURAJ BABASO	P	A	P	P	P	A	P		P	P
44	3367	WAGH SWAPNALI SAMBHAJI	P.	A	P	P	P	P	P		P	P
45	3368	WAGHMARE VISHAKHA SAMBHAJI	P.	A	P	P	P	P	P		P	P
46	3369	YADAV ABHJIT RAMRAV	A.	P	P	A	P	P	P		P	P
47	3370	JADHAV AKSHAY ASHOK	A.	P	P	P	P	P	P		P	P
48	3371	JADHAV PRAJAKTA DNYANDEV	P.	P	P	P	P	P	A		P	P
49	3372	JAMDADE SANTOSH YUVRAJ	P.	P	A	P	P	P	P		P	P

50	3373	JAMDADE SOURABH SUDAM	P.	A	P	P	P	P	P		P
51	3374	MAHADIK VARSHA VISHWAS	P.	A	P	P	P	P	P		P
52	3375	MANE AMIT PANDURANG	P.	P	P	P	P	P	A		P
53	3376	MANE UDAYKUMAR PRATAP	P.	P	A	A	P	P	P		P
54	3377	PAWAR VAISHNAVI MANAJI	A.	P	A	P	P	P	P		P
55	3378	SALUNKHE SONIYA SUBHASH	A.	P	P	P	P	P	P		P.
56	3379	SAWANT PRATIK JITENDRA	A.	P	P	P	P	P	P		P
57	3380	SURYAWANSHI PRIYANKA BALASAHEB	A.	P	P	P	P	P	P		P
58	3381	ZENDE BAJARANG VILAS	A.	P	P	P	P	P	P.		P
59	3382	KARMAKAR PRATIK SATISH	P.	P	P	P	P	P	P.		P
60	3383	AWASARE GANESH MOHAN	P.	P	A	P	P	P	P.		P
61	3384	MORE SUPRIYA SAKHARAM	P.	A	A	P	P	A	P		P
62	3385	PAWAR SUPRIYA SUNIL	P.	P	P	P	P	P	A		P
63	3386	CHAVAN PRABHAVATI BHAUSO	P.	P	P	P	P	P	P		P
64	3387	BABAR RUTURAJ SANJAY	P.	P	P	A	P	P	P		P
65	Female	ALDAR RUTUJA DAGDU	P.	P	P	P	P	P	P		P
66	Male	BAKARE KRISHNA ANIL	P.	P	P	P	P	P	P		P
67	Male	BHASME ADITYA SUNIL	P.	P	P	P	P	A	P		P
68	Male	BHOSALE SATISH DILIP	P.	P	P	P	P	P	P		P
69	Male	DHANGOLI LAXMAN VYANKAPPA	P.	P	P	P	A	P	P		P
70	Male	DHOTARE AKSHAY PANDURANG	A.	P	P	P	P	P	P		P
71	Male	GAIKWAD RUSHIKESH RAJENDRA	A.	P	P	P	P	P	A		P
72	Male	HANKARE DILIP KONDIRAM	A.	P	P	P	A	P	P		P
73	Female	KAGWADE SWATI BABASO	A.	P	A	P	P	P	P		P
74	Male	KALBAGE SURAJ JAYWANT	A.	P	P	P	P	P	P		P
75	Female	KHARMATE KOMAL RAMESH	P.	P	P	P	P	P	P		P
76	Female	KOLEKAR SHITAL GOPAL	P.	P	P	A	P	P	P		P
77	Male	KOLI SACHIN SUBHASH	P.	A	P	P	P	P	P		P
78	Male	KOLI SAURABH RAJENDRA	P.	A.	A	P	P	A	P		P

79	Female	KUKADE SAYALI SURESH	P.	P	P	P	P	P	P	P	P	P	P
80	Male	KUMBHAR SANTOSH ANIL	P.	P	P	A	P	P	P	P	P	P	P
81	Female	MALI AISHWARYA SANJAY	A.	P	A	P	P	P	P	P	P	P	P
82	Female	MALI PRAJAKTA RAMCHANDRA	A.	P	A	P	P	P	P	P	P	P	P
83	Male	MALI UDAY UTTAM	A.	P	P	P	P	P	P	P	P	P	P
84	Female	MANE MONIKA POPAT	P.	A	A	P	A	P	P	P	P	P	P
85	Male	MANE VIJAY ANIL	P.	A	P	A	P	P	P	P	P	P	P
86	Female	MULANI SUMAIYYA SHAHBUDDIN	P.	A	P	P	P	P	P	P	P	P	P
87	Male	NYAYNIT PRAJIT RAGHUNATH	P.	A	P	P	P	A	P	P	P	P	P
88	Male	PATIL AJINKYA DINKAR	P.	A	P	P	P	P	P	P	P	P	P
89	Female	PATIL AKSHATA VIJAY	P.	P	P	P	P	P	P	P	P	P	P
90	Female	PATIL ANAGHA AJIT	P.	P	P	P	P	P	P	P	P	P	P
91	Female	PATIL GAYATRI ANKUSH	A	P	P	P	P	P	P	P	P	P	P
92	Female	PATIL JAYSHREE SHANKAR	A	P	P	A	P	P	P	P	P	P	P
93	Male	PATIL ROHIT RAMRAO	A	P	A	P	P	P	P	P	P	P	P
94	Male	PATIL SHUBHAM SARJERAO	A	P	P	P	A	P	P	P	P	P	P
95	Female	PAWAR ASHWINI ARVIND	A	P	P	P	P	P	P	P	P	P	P
96	Female	SHENDAGE MAYURI RAVINDRANATH	P	P	P	P	P	P	P	P	P	P	P
97	Male	SHENDAGE RUSHIKESH RAJENDRA	A	P	P	P	P	A	P	P	P	P	P
98	Female	SHENDAGE SHUBHANGI MARUTI	A	P	P	P	P	P	P	P	P	P	P
99	Female	SHINDE AKSHADA AMOL	P	P	P	P	P	P	P	P	P	P	P
100	Female	SHINDE NILAM GAJANAN	P	A	P	P	P	P	P	P	P	P	P
101	Female	SURYAVANSHI DHANASHRI BABURAO	P	P	P	A	P	P	P	P	P	P	P
102	Female	TAWDAR SUWARNA BALASO	P	P	P	P	P	P	P	P	P	P	P
103	Male	TODKAR SHAILESH MOHAN	P	P	A	P	P	P	P	P	P	P	P
104	Female	WAGHMARE AMRUTA POPAT	P	P	P	P	P	P	P	P	P	P	P
105	Male	YAMGAR SHRIDIHAR SUDHAKAR	P	P	P	P	P	P	P	P	P	P	P
106	Female	ZAREKAR SHRUTIKA NITIN	A	P	P	P	A	P	P	P	P	P	P
107	Female	AUNDHE CHARUSHILA NAGNATH	P	P	P	P	P	A	P	P	P	P	P
108	Female	JADHAV POOJA UTTAM	P	P	P	P	P	P	P	P	P	P	P
109	Male	KABUGADE SANGRAM RAJARAM	P	P	P	A	P	P	P	P	P	P	P

Toppa
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Zoology Certificate Course 2016-17

Student Enrollment List for Certificate Course in

"Soil and Water Analysis"

Sr.No	Roll Number	Name Of the Students	Sign
1	3784	THORAT SHUBHANGI BABAN	SThorat
2	3785	KUMBHAR TUKARAM SHIVAJI	TKK
3	3786	PATIL SHUBHANGI KISAN	SKPatil
4	3787	PATIL RADHIKA GULABRAO	RPatil
5	3788	DESAI SHWETA SUBHASH	SDesai
6	3789	PATIL ARATI RAMESH	APatil
7	3790	GAVLI ASHWINI KISHOR	AKGavali
8	3791	EDAKE TEJASWI RAMESH	Redake
9	3792	HAKKE VAISHALI VINAYAK	Vakke
10	3793	DESHMUKH SHOBHA SHIVAJI	SDS
11	3794	SHENDE KAJAL ANIL	K.A shende
12	3795	MALI ASHWINI ANANDA	Amali
13	3796	MALI VARSHA BHAUSO	Vbmal
14	3797	MALI ROINI KUNDLIK	Rkmali
15	3798	JADHAV SHRUTIKA DHANAJI	SDJadhav
16	3799	KOLEKAR KRUTIKALYANI KISHOR	K.K. Kolekar
17	3800	TAMBOLI RIYAZ ILLAI	RiyazT
18	3801	MANE SUNITA UTTAM	Sumane
19	3802	JADHAV GEETA KISAN	GKS
20	3803	TAWADAR AISHWARYA YASHWANT	AT
21	3804	PATIL SARIKA UADDHAV	SPatil
22	3805	SHINDE AMRUTA RAMESH	ARshinde
23	3806	PAWAR SHITAL VITTHAL	Sital
24	3807	AOUTE PUJA MUKUND	PMaute

25	3808	JADHAV RESHMA RAJENDRA	R.R. Jadhav
26	3809	MALI ASHWINI ASHOK	A. A. Mali
27	3810	KADAM NIKITA SURESH	N. Kadam
28	3351	SAWWASHE SUPRIYA ASHOK	S. S.
29	3352	SHENDAGE MAYA JAGANNATH	M. Shendage
30	3353	SHENDAGE NITA DATTATRAY	N. D. S.
31	3354	SHENDAGE SNEHAL SUDHAKAR	S. Shendage
32	3355	SHENDAGE VAISHALI PANDURANG	V. Shendage
33	3356	SHINDE ANJALI VASANT	A. Shinde.
34	3357	SHINDE BHAGYASHREE VISHNU	B. Shinde.
35	3358	SHINDE PAVAN SURESH	P. Shinde
36	3359	SHINDE PRANALI SHASHIKANT	P. Shinde.
37	3360	SHINDE SHITAL JANARDHAN	S. Shinde
38	3361	SHINDE SHUBHAM VIJAY	S. S.
39	3362	SHINDE SNEHAL GANESH	S. Shinde
40	3363	SHIVANKAR PRATIK POPAT	P. Shivankar.
41	3364	SUTAR SWAPNALI VIJAY	S. Sutar
42	3365	TOKALE AKASH PANDURANG	T. Tokale.
43	3366	TORE SURAJ BABASO	S. B. Tore
44	3367	WAGH SWAPNALI SAMBHAJI	S. Wagh
45	3368	WAGHMARE VISHAKHA SAMBHAJI	V. Waghmare.
46	3369	YADAV ABHIJIT RAMRAV	A. Yadav
47	3370	JADHAV AKSHAY ASHOK	A. Jadhav
48	3371	JADHAV PRAJAKTA DNYANDEV	P. Jadhav.
49	3372	JAMDADE SANTOSH YUVRAJ	S. Jamdade.
50	3373	JAMDADE SOURABH SUDAM	S. Jamdade.
51	3374	MAHADIK VARSHA VISHWAS	M. Mahalik.

52	3375	MANE AMIT PANDURANG	Amone
53	3376	MANE UDAYKUMAR PRATAP	Umane
54	3377	PAWAR VAISHNAVI MANAJI	Urpawar
55	3378	SALUNKHE SONIYA SUBHASH	Salunkhe
56	3379	SAWANT PRATIK JITENDRA	Bisalwant
57	3380	SURYAWANSHI PRIYANKA BALASAHEB	PBS
58	3381	ZENDE BAJARANG VILAS	Bzende
59	3382	KARMAKAR PRATIK SATISH	PK
60	3383	AWASARE GANESH MOHAN	GMAw
61	3384	MORE SUPRIYA SAKHARAM	S.S. More
62	3385	PAWAR SUPRIYA SUNIL	spawar
63	3386	CHAVAN PRABHAVATI BHAUSO	Pchavan
64	3387	BABAR RUTURAJ SANJAY	Babar Rutuj
65	Female	ALDAR RUTUJA DAGDU	ADardar
66	Male	BAKARE KRISHNA ANIL	Bakare
67	Male	BHASME ADITYA SUNIL	Aditya B
68	Male	BHOSALE SATISH DILIP	
69	Male	DHANGOLI LAXMAN VYANKAPPA	Dhangolebaxman
70	Male	DHOTARE AKSHAY PANDURANG	Dhotare
71	Male	GAIKWAD RUSHIKESH RAJENDRA	Rushi
72	Male	HANKARE DILIP KONDIRAM	DKHankare
73	Female	KAGWADE SWATI BABASO	Kagade
74	Male	KALBAGE SURAJ JAYWANT	SKalbage
75	Female	KHARMATE KOMAL RAMESH	KKharmate
76	Female	KOLEKAR SHITAL GOPAL	Gakolekar
77	Male	KOLI SACHIN SUBHASH	sekoli
78	Male	KOLI SAURABH RAJENDRA	Kolekar
79	Female	KUKADE SAYALI SURESH	Kukade

80	Male	KUMBHAR SANTOSH ANIL	<i>Kumbhar</i>
81	Female	MALI AISHWARYA SANJAY	<i>Kukade</i>
82	Female	MALI PRAJAKTA RAMCHANDRA	<i>PRM</i>
83	Male	MALI UDAY UTTAM	<i>Uttam</i>
84	Female	MANE MONIKA POPAT	<i>Mane</i>
85	Male	MANE VIJAY ANIL	<i>Mane</i>
86	Female	MULANI SUMAIYYA SHAHBUDDIN	<i>Mulani</i>
87	Male	NYAYNIT PRAJIT RAGHUNATH	<i>Naynit</i>
88	Male	PATIL AJINKYA DINKAR	<i>Patil</i>
89	Female	PATIL AKSHATA VIJAY	<i>Patil</i>
90	Female	PATIL ANAGHA AJIT	<i>A.A. Patil</i>
91	Female	PATIL GAYATRI ANKUSH	<i>Patil Gayatri</i>
92	Female	PATIL JAYSHREE SHANKAR	<i>Patil</i>
93	Male	PATIL ROHIT RAMRAO	<i>Rohit P</i>
94	Male	PATIL SHUBHAM SARJERAO	<i>S.S. Patil</i>
95	Female	PAWAR ASHWINI ARVIND	<i>Pawar Ashwini</i>
96	Female	SHENDAGE MAYURI RAVINDRANATH	<i>Shendage</i>
97	Male	SHENDAGE RUSHIKESH RAJENDRA	<i>Rushikesh</i>
98	Female	SHENDAGE SHUBHANGI MARUTI	<i>Shendage</i>
99	Female	SHINDE AKSHADA AMOL	<i>Shinde</i>
100	Female	SHINDE NILAM GAJANAN	<i>Nashinde</i>
101	Female	SURYAVANSHI DHANASHRI BABURAO	<i>Phanashri</i>
102	Female	TAWDAR SUWARNA BALASO	<i>Tawdar</i>
103	Male	TODKAR SHAILESH MOHAN	<i>Todkar</i>
104	Female	WAGHARE AMRUTA POPAT	<i>W</i>
105	Male	YAMGAR SHRIDHAR SUDHAKAR	<i>Yamgar</i>
106	Female	ZAREKAR SHRUTIKA NITIN	<i>Zarekar</i>
107	Female	AUNDHE CHARUSHILA NAGNATH	<i>Nagnath</i>
108	Female	JADHAV POOJA UTTAM	<i>Jadhav</i>
109	Male	KABUGADE SANGRAM RAJARAM	<i>Kabugade</i>

(Signature)

HEAD

DEPARTMENT OF ZOOLOGY,
PADMABHUSHAN DR. YASHWANTH DADA PATH
MAHATMA LAYA, TANGADUR, DIST. RANGOLI

Zoology Certificate Course 2016-17

Exam Attendance for Certificate Course in "Soil and Water Analysis"


Sr.No	Roll Number	Name Of the Students	Sign
1	3784	THORAT SHUBHANGI BABAN	<i>Thorat</i>
2	3785	KUMBHAR TUKARAM SHIVAJI	<i>TK</i>
3	3786	PATIL SHUBHANGI KISAN	<i>SKpatil</i>
4	3787	PATIL RADHIKA GULABRAO	<i>RPatil</i>
5	3788	DESAI SHWETA SUBHASH	<i>SDesai</i>
6	3789	PATIL ARATI RAMESH	<i>APatil</i>
7	3790	GAVLI ASHWINI KISHOR	<i>AKavali</i>
8	3791	EDAKE TEJASWI RAMESH	<i>Tejake</i>
9	3792	HAKKE VAISHALI VINAYAK	<i>Vhakke</i>
10	3793	DESHMUKH SHOBHA SHIVAJI	<i>DS</i>
11	3794	SHENDE KAJAL ANIL	<i>K. A. shende</i>
12	3795	MALI ASHWINI ANANDA	<i>Amali</i>
13	3796	MALI VARSHA BHAUSO	<i>Vmali</i>
14	3797	MALI ROINI KUNDLIK	<i>Rkmali</i>
15	3798	JADHAV SHRUTIKA DHANAJI	<i>Sradhav</i>
16	3799	KOLEKAR KRUTIKALYANI KISHOR	<i>K.K. Kolekar</i>
17	3800	TAMBOLI RIYAZ ILLAI	<i>Riyaz T</i>
18	3801	MANE SUNITA UTTAM	<i>sumane</i>
19	3802	JADHAV GEETA KISAN	<i>GKJ</i>
20	3803	TAWADAR AISHWARYA YASHWANT	<i>AT</i>
21	3804	PATIL SARIKA UADDHAV	<i>SPatil</i>
22	3805	SHINDE AMRUTA RAMESH	<i>ARshinde</i>
23	3806	PAWAR SHITAL VITTHAL	<i>shital</i>

24	3807	AOUTE PUJA MUKUND	Amute
25	3808	JADHAV RESHMA RAJENDRA	R.R. Jadhav
26	3809	MALI ASHWINI ASHOK	Amali
27	3810	KADAM NIKITA SURESH	Nskadam
28	3351	SAWWASHE SUPRIYA ASHOK	SAS
29	3352	SHENDAGE MAYA JAGANNATH	Mjshendage
30	3353	SHENDAGE NITA DATTATRAY	NDS
31	3354	SHENDAGE SNEHAL SUDHAKAR	Sshendage
32	3355	SHENDAGE VAISHALI PANDURANG	Vshendage
33	3356	SHINDE ANJALI VASANT	Avshinde
34	3357	SHINDE BHAGYASHREE VISHNU	Bshinde
35	3358	SHINDE PAVAN SURESH	Pshinde
36	3359	SHINDE PRANALI SHASHIKANT	Pranashinde
37	3360	SHINDE SHITAL JANARDHAN	Sshinde
38	3361	SHINDE SHUBHAM VIJAY	Sshinde
39	3362	SHINDE SNEHAL GANESH	Sshinde
40	3363	SHIVANKAR PRATIK POPAT	Shivankar
41	3364	SUTAR SWAPNALI VIJAY	Sutar
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43	3366	TORE SURAJ BABASO	S.B. Tore
44	3367	WAGH SWAPNALI SAMBHAJI	Wagh
45	3368	WAGHMARE VISHAKHA SAMBHAJI	Waghmare
46	3369	YADAV ABHIJIT RAMRAV	AYadav
47	3370	JADHAV AKSHAY ASHOK	AJadhav
48	3371	JADHAV PRAJAKTA DNYANDEV	Jadhav
49	3372	JAMDADE SANTOSH YUVRAJ	Jamdade
50	3373	JAMDADE SOURABH SUDAM	Jamdade

51	3374	MAHADIK VARSHA VISHWAS	Mahadik.
52	3375	MANE AMIT PANDURANG	Amite
53	3376	MANE UDAYKUMAR PRATAP	Udaymane
54	3377	PAWAR VAISHNAVI MANAJI	Vaishnavi Pawar
55	3378	SALUNKHE SONIYA SUBHASH	Soniya Salunkhe
56	3379	SAWANT PRATIK JITENDRA	Prasawant.
57	3380	SURYAWANSHI PRIYANKA BALASAHEB	PBS
58	3381	ZENDE BAJARANG VILAS	Bizende
59	3382	KARMAKAR PRATIK SATISH	Pratik
60	3383	AWASARE GANESH MOHAN	GMA
61	3384	MORE SUPRIYA SAKHARAM	S.S. More
62	3385	PAWAR SUPRIYA SUNIL	Supriya Pawar
63	3386	CHAVAN PRABHAVATI BHAUSO	Prabhavati
64	3387	BABAR RUTURAJ SANJAY	Babar Ruturaj
65	Female	ALDAR RUTUJA DAGDU	Alidar
66	Male	BAKARE KRISHNA ANIL	Bakare
67	Male	BHASME ADITYA SUNIL	Aditya B.
68	Male	BHOSALE SATISH DILIP	Pradhotare
69	Male	DHANGOLI LAXMAN VYANKAPPA	Dhangole Laxman
70	Male	DHOTARE AKSHAY PANDURANG	Pradhotare
71	Male	GAIKWAD RUSHIKESH RAJENDRA	Rushi
72	Male	HANKARE DILIP KONDIRAM	Dk Hankare
73	Female	KAGWADE SWATI BABASO	Katade S.
74	Male	KALBAGE SURAJ JAYWANT	S. Kalbaje
75	Female	KHARMATE KOMAL RAMESH	Kharmate
76	Female	KOLEKAR SHITAL GOPAL	Kolekar
77	Male	KOLI SACHIN SUBHASH	Koli

78	Male	KOLI SAURABH RAJENDRA	AKOL
79	Female	KUKADE SAYALI SURESH	Kukades
80	Male	KUMBHAR SANTOSH ANIL	AKumbhar
81	Female	MALI AISHWARYA SANJAY	MAJES
82	Female	MALI PRAJAKTA RAMCHANDRA	BRM
83	Male	MALI UDAY UTTAM	Prajakta.
84	Female	MANE MONIKA POPAT	Mpmane
85	Male	MANE VIJAY ANIL	VAmame
86	Female	MULANI SUMAIYYA SHAHBUDDIN	Tamane
87	Male	NYAYNIT PRAJIT RAGHUNATH	Naynit.
88	Male	PATIL AJINKYA DINKAR	Patil.
89	Female	PATIL AKSHATA VIJAY	MAJES
90	Female	PATIL ANAGHA AJIT	A.A Patil
91	Female	PATIL GAYATRI ANKUSH	PatilGayatri
92	Female	PATIL JAYSHREE SHANKAR	Patil
93	Male	PATIL ROHIT RAMRAO	Rohit P.
94	Male	PATIL SHUBHAM SARJERAO	S.S. Patil
95	Female	PAWAR ASHWINI ARVIND	Pawarashwini.
96	Female	SHENDAGE MAYURI RAVINDRANATH	MShende.
97	Male	SHENDAGE RUSHIKESH RAJENDRA	Rushikesh.
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99	Female	SHINDE AKSHADA AMOL	ShindeA.
100	Female	SHINDE NILAM GAJANAN	NShinde
101	Female	SURYAVANSHI DHANASHRI BABURAO	Dhanashri
102	Female	TAWDAR SUWARNA BALASO	Tawdar.
103	Male	TODKAR SHAILESH MOHAN	SPRODAROS
104	Female	WAGHMARE AMRUTA POPAT	AW
105	Male	YAMGAR SHRIDHAR SUDHAKAR	Yamagar.

106	Female	ZAREKAR SHRUTIKA NITIN	Zarekar
107	Female	AUNDHE CHARUSHILA NAGNATH	Nagnath.
108	Female	JADHAV POOJA UTTAM	Jadhav
109	Male	KABUGADE SANGRAM RAJARAM	Kabugade.


HEAD
DEPARTMENT OF ZOOLOGY,
PADMA BHUSHAN DR. VASANTRAO DATTA YATI
MAHARAJA KRISHNAJI UNIVERSITY, SOLAPUR