



**SONOPANT DANDEKAR ARTS, V.S. APTE
COMMERCE AND M.H. MEHTA SCIENCE
COLLEGE, PALGHAR**

DEPARTMENT OF BOTANY

**Certificate Course in Solid Liquid Waste
Management**

**Under the Aegis of
Centre for Excellence and Innovation**

Academic Year: 2018 - 2019

**Prof. Mahesh Deshmukh
CFEI – Chairman**

**Dr. Kiran Save
Principal**

Department of Botany
Certificate course in Solid Liquid Waste Management
Report 2018-2019

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Date: 19th September, 2018

To,

The Principal

Sonopant Dandekar Arts, V.S. Apte Commerce and

M.H. Mehta Science College,

Palghar.

Subject: Proposal for Organizing Course in Solid liquid waste management

Name of the Course: Solid liquid waste management

Organizer: Department of Botany

Proposed Day & Dates –Wednesday, 3rd October, 2018

Objectives –


- The objective of this course is to get on broader understandings on various aspects of solid waste management (starting from its generation to processing
- The options for reuse and recycle, transport, and disposal) practiced in different municipalities.

Course Co-ordinator: Dr. Jayananda Tosh

Proposed Venue: Botany Main Lab



Dr. Jayananda Tosh
Head, Department of Botany

Permitted




Sonopant Dandekar Shikshan Mandali's

**SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND
M.H. MEHTA SCIENCE COLLEGE, PALGHAR**

Palghar, Dist. – Palghar, Pin – 401 404, E – Mail: sdscollege@yahoo.com

DEPARTMENT OF BOTANY

SOLID LIQUID WASTE MANAGEMENT

Background

Domestic Waste is waste, which is either solid or liquid generated in residential areas, Commercial settings and institutions. Waste in general terms is defined as an unwanted as it is obviously undesirable. It is nevertheless an inevitable and inherent product of social, economic and cultural life. The indiscriminate disposal of waste, both liquid and solid, adversely affects the immediate human environment by degrading the natural phenomena hence, exerting health risk to exposed population. Health risks may be carried through different vehicles including flies, dogs, rodent and others that scavenge on the waste.

About Department

The Department of Botany started in 2006 for UG students. For aspirants of higher students, I plant science like plant genetics, Molecular biology, plant biotechnology, plant physiology, plant pathology, plant taxonomy and plant ecology, etc. The department having the botanical garden depository herbarium and Practical lab

Course Aim & Objectives

After completing this chapters, the students will be able to:

- Define solid Waste Management.
- Describe public health importance of Solid Waste.
- Describe the major sources and types of Solid Waste
- Demonstrate common Solid Waste disposal methods

Course Outcomes

- To differentiate between different types of waste
- Will be able to advice on reduce, recycle and reuse
- Will be able to conceive the concept of sustainability.

Duration

- Total hours- 36 hrs
- Lecture and survey work – 36 hours
- Attendance- 75% of attendance is compulsory

Eligibility and Fees

- B.Sc. (Life Science) students
- Fees- Rs 50
- Duration – 36 hours

Faculty

- Dr. Jayananda Tosh
- Prof. B.N. Jaiswal
- Asst. Prof. Asmita P. Raut
- Asst. Prof. Dakshata Patil

Reference Book

- Solid and liquid waste management by Vasudevan Rajaram



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DEPARTMENT OF BOTANY

SOLID LIQUID WASTE MANAGEMENT

SYLLABUS

Chapter -1

Classification of Waste

- Classification based on Physical state
- Classification based on source

Chapter- 2

Types of Waste

- Biodegradable waste
- Non-Biodegradable waste
- E waste
- Biomedical waste

Chapter- 3

Waste collection and disposal

- Traditional methods of waste collection and disposal
- Dumping of solid waste in sea
- Regulations for Ocean dumping

Chapter- 4

Liquid waste

- Types of liquid waste
- Methods of disposal of liquid waste
- Recycling of solid and liquid waste

PROGRAMME SCHEDULE

Day	Date	Topic	Session
1	08.10.2018	Introduction of waste	2 Hours
2	09.10.2018	Solid waste –types	2 Hours
3	11.10.2018	Effects of Solid waste	2 Hours
4	12.10.2018	Concepts of 3R	2 Hours
5	13.10.2018	Solid waste management –Storage, collection, waste Handling and transport	2 Hours
6	15.10.2018	Classification based on source	2 Hours
7	16.10.2018	Non-Biodegradable waste	2 Hours
8	17.10.2018	Classification of Waste, Classification based on Physical state	2 Hours
9	19.10.2018	Types of Waste, Biodegradable waste,	2 Hours
10	20.10.2018	E waste, Biomedical waste, Waste collection and disposal	2 Hours
11	22. 10.2018	Traditional methods of waste collection and disposal,	2 Hours
12	23. 10.2018	Dumping of solid waste in sea	2 Hours
13	24. 10.2018	Liquid waste Types of liquid waste	2 Hours
14	25. 10.2018	Methods of disposal of liquid waste	2 Hours
15	26. 10.2018	Recycling of solid and liquid waste	2 Hours
16	27. 10.2018	Zero waste system	2 Hours
17	29. 10.2018	Hazardous waste	2 Hours
18	30.10.2018	Regulations for Ocean dumping	2 Hours



Dr. Jayananda Tosh
(Head Dept. of Botany)



Sonopant Dandekar Shikshan Mandali's



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AND M. H. MEHTA SCIENCE COLLEGE**

Tal. Palghar, Dist. Palghar, Pin - 401 404.

Code.: (02525) 252163, Prin : 252317 • Resi.: 252316

website : www.sdscollege.com • Email: sdscollege@yahoo.com

(NAAC Reaccredited 'B' Grade)

Date- 21-09-2018

NOTICE

DEPARTMENT OF BOTANY

All the Student of UG, Botany is hereby informed that department of botany is arranging a certificate course on “**Solid Liquid Waste Management**” in Botany Lab from 08-10-2018.

The fee for above course is **R.s. 50**

After successful Completion of the Course and Examination, Participants will get Certificate from College, for more details kindly contact Department of Botany.

Venue – Botany Lab, SDSM College

Dr. Jayananda Tosh

(Head Dept. of Botany)

STUDENTS ENROLMENT LIST

Sr. No.	Roll No.	Name of Student	Class
1	2032	PACHANGE DHANASHREE UDDHAV	F.Y.B.Sc
2	2034	LOKHANDE JYOTSNA BHARAT	F.Y.B.Sc
3	2036	PATHAN SIDDHIKA DILAWAR	F.Y.B.Sc
4	2037	VINKAR SAPANA RAMESH	F.Y.B.Sc
5	2038	SHINDE ANKIT BABASAHEB	F.Y.B.Sc
6	2039	MAHAJAN YOGESH VIJAY	F.Y.B.Sc
7	2069	PATIL ANJALI LAXMAN	F.Y.B.Sc
8	2070	KINI ARPITA ATMARAM	F.Y.B.Sc
9	2072	SUTHAR SONU RUPLAL	F.Y.B.Sc
10	2073	KHALIFA AYESHA NAJEEB	F.Y.B.Sc
11	2078	GUTALA NILIMA VENKAT	F.Y.B.Sc
12	2080	SURYWANSHI RAGINI VIDHYADHAR	F.Y.B.Sc
13	2081	BARAD SANJAY MAHADU	F.Y.B.Sc
14	2083	DABHADE ANKUSH TUKARAM	F.Y.B.Sc
15	2084	THAKUR CHHAYA SUBODH	F.Y.B.Sc
16	2085	YADAV ABHISHEK VIRENDRA	F.Y.B.Sc
17	2086	GIRASE ROHINI DHANSINGH	F.Y.B.Sc
18	2087	DUBEY LAXMI PRIYESH	F.Y.B.Sc
19	2088	THAKUR YADNYESH NARESH	F.Y.B.Sc
20	2089	PINGALE TEJASHREE GANESH	F.Y.B.Sc
21	90004	PATIL ADITI KONDYA	F.Y.B.Sc
22	90019	RAUT AAKANKSHA SUNIL	F.Y.B.Sc
23	90030	DHANU SHRUSHTI RAJESH	F.Y.B.Sc
24	90031	KHAN ASIF MUNAWWAR	F.Y.B.Sc
25	2301	VAZURKAR NIDHI NIRANJAN	S.Y.B.Sc
26	2302	KHOJA ZAINAB SAJIDALI	S.Y.B.Sc
27	2304	RATHAD VAIBHAVI SANTOSH	S.Y.B.Sc
28	2305	MORE PRANJALI PRAMOD	S.Y.B.Sc
29	2307	PATIL GAYATRI PRAKASH	S.Y.B.Sc
30	2308	RATHOD NANCY SHASHI	S.Y.B.Sc
31	2309	VALVI AKSHATA AANUDAS	S.Y.B.Sc
32	2310	SAROJ SUREKHA RAMSUMER	S.Y.B.Sc
33	2315	SONAWANE JAYABAI GOKUL	S.Y.B.Sc
34	2316	CHAUDHARI VINAY JITENDRA	S.Y.B.Sc
35	2317	NIRMAL POOJA GANESH	S.Y.B.Sc
36	2318	THAKUR SAYALI SUBHASH	S.Y.B.Sc
37	2319	PAWAR HARSHALI CHANDRAKANT	S.Y.B.Sc
38	2320	MEHER RUCHA RAJESH	S.Y.B.Sc
39	2321	DHANU BHAVIKA SATISH	S.Y.B.Sc
40	2615	JHA SARASWATI RAMAKANT	T.Y.B.Sc.
41	2643	KAKAD ASMITA YASHWANT	T.Y.B.Sc.



42	2644	RAUT TEJAL SANTOSH	T.Y.B.Sc.
43	2645	BORSE SHUBHAM VASUDEV	T.Y.B.Sc.
44	26001	MORE JIDNYA DASHRATH	T.Y.B.Sc.
45	26010	CHAVAN ARATI SHIVAJI	T.Y.B.Sc.



Dr. Jayananda Tosh
(Head Dept. of Botany)

MARKS BIFURCATION OF CERTIFICATE COURSE

1. Online MCQS - 25 Marks (25 questions 1 Mark each)
2. Assignment work - 25 Marks

GRADING SYSTEM

The breakdown of the grading system used in CBCS:

A+: 50 (Outstanding)

A: 45 (Excellent)

B+: 40 (Very good)

B: 35 (Good)

C+: 30 (Above average)

C: 25 (average)

E: 20 (Pass)

F: Below 20 (Fail)

ATTENDANCE REPORT

From 8th October, 2018 to 17th October, 2018

Roll No.	Name of Student	Class	08.10.2018	09.10.2018	11.10.2018	12.10.2018	13.10.2018	15.10.2018	16.10.2018	17.10.2018
2032	PACHANGE DHANASHREE UDDHAV	F.Y.B.Sc	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>
2034	LOKHANDE JYOTSNA BHARAT	F.Y.B.Sc	<u>Jyotsna</u>	<u>Jyotsna</u>	<u>AB</u>	<u>Jyotsna</u>	<u>Jyotsna</u>	<u>Jyotsna</u>	<u>Jyotsna</u>	<u>Jyotsna</u>
2036	PATHAN SIDDHIKA DILAWAR	F.Y.B.Sc	<u>Siddhi</u>	<u>Siddhi</u>	<u>Siddhi</u>	<u>Siddhi</u>	<u>Siddhi</u>	<u>Siddhi</u>	<u>Siddhi</u>	<u>Siddhi</u>
2037	VINKAR SAPANA RAMESH	F.Y.B.Sc	<u>S.Vinkar</u>	<u>S.Vinkar</u>	<u>S.Vinkar</u>	<u>S.Vinkar</u>	<u>S.Vinkar</u>	<u>S.Vinkar</u>	<u>S.Vinkar</u>	<u>S.Vinkar</u>
2038	SHINDE ANKIT BABASAHEB	F.Y.B.Sc	<u>Ankit</u>	<u>Ankit</u>	<u>Ankit</u>	<u>Ankit</u>	<u>Ankit</u>	<u>Ankit</u>	<u>Ankit</u>	<u>Ankit</u>
2039	MAHAJAN YOGESH VIJAY	F.Y.B.Sc	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>
2069	PATIL ANJALI LAXMAN	F.Y.B.Sc	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>
2070	KINI ARPITA ATMARAM	F.Y.B.Sc	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>	<u>AB</u>	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>
2072	SUTHAR SONU RUPLAL	F.Y.B.Sc	<u>Sonu</u>	<u>Sonu</u>	<u>Sonu</u>	<u>Sonu</u>	<u>Sonu</u>	<u>Sonu</u>	<u>Sonu</u>	<u>Sonu</u>
2073	KHALIFA AYESHA NAJEEB	F.Y.B.Sc	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>
2078	GUTALA NILIMA VENKAT	F.Y.B.Sc	<u>Nilima</u>	<u>Nilima</u>	<u>Nilima</u>	<u>Nilima</u>	<u>Nilima</u>	<u>Nilima</u>	<u>Nilima</u>	<u>Nilima</u>
2080	SURYWANSHI RAGINI VIDHYADHAR	F.Y.B.Sc	<u>Ragni</u>	<u>Ragni</u>	<u>Ragni</u>	<u>Ragni</u>	<u>Ragni</u>	<u>Ragni</u>	<u>Ragni</u>	<u>Ragni</u>
2081	BARAD SANJAY MAHADU	F.Y.B.Sc	<u>AB</u>	<u>Barad</u>	<u>Barad</u>	<u>Barad</u>	<u>Barad</u>	<u>Barad</u>	<u>Barad</u>	<u>Barad</u>
2083	DABHADE ANKUSH TUKARAM	F.Y.B.Sc	<u>Dabade</u>	<u>Dabade</u>	<u>Dabade</u>	<u>Dabade</u>	<u>Dabade</u>	<u>Dabade</u>	<u>Dabade</u>	<u>AB</u>

2084	THAKUR CHHAYA SUBODH	F.Y.B.Sc	C.Thakur	C.Thakur	C.Thakur	C.Thakur	C.Thakur	C.Thakur	C.Thakur	C.Thakur
2085	YADAV ABHISHEK VIRENDRA	F.Y.B.Sc	Abhi	Abhi	Abhi	AB	Abhi	Abhi	Abhi	Abhi
2086	GIRASE ROHINI DHANSINGH	F.Y.B.Sc	GRD	GRD	GRD	GRD	GRD	GRD	GRD	GRD
2087	DUBEY LAXMI PRIYESH	F.Y.B.Sc	Laxmi	Laxmi	Laxmi	Laxmi	Laxmi	Laxmi	Laxmi	AB
2088	THAKUR YADNYESH NARESH	F.Y.B.Sc	Mahesh	Mahesh	Mahesh	Mahesh	Mahesh	Mahesh	Mahesh	Mahesh
2089	PINGALE TEJASHREE GANESH	F.Y.B.Sc	AB	Teja.P	Teja.P	Teja.P	Teja.P	Teja.P	Teja.P	Teja.P
90004	PATIL ADITI KONDYA	F.Y.B.Sc	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi
90019	RAUT AAKANKSHA SUNIL	F.Y.B.Sc	A.S.Raut	A.S.Raut	A.S.Raut	A.S.Raut	A.S.Raut	AB	A.S.Raut	A.S.Raut
90030	DHANU SHRUSHTI RAJESH	F.Y.B.Sc	\$	\$	\$	\$	\$	\$	\$	\$
90031	KHAN ASIF MUNAWWAR	F.Y.B.Sc	Asif.K	Asif.K	Asif.K	Asif.K	Asif.K	Asif.K	Asif.K	AB
2301	VAZURKAR NIDHI NIRANJAN	S.Y.B.Sc	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi
2302	KHOJA ZAINAB SAJIDALI	S.Y.B.Sc	Zainab	Zainab	Zainab	Zainab	Zainab	Zainab	Zainab	Zainab
2304	RATHAD VAIBHAVI SANTOSH	S.Y.B.Sc	V.Rathad	V.Rathad	V.Rathad	AB	V.Rathad	V.Rathad	V.Rathad	V.Rathad
2305	MORE PRANJALI PRAMOD	S.Y.B.Sc	More	More	More	More	More	More	More	More
2307	PATIL GAYATRI PRAKASH	S.Y.B.Sc	G.Patil	G.Patil	G.Patil	G.Patil	G.Patil	G.Patil	G.Patil	G.Patil
2308	RATHOD NANCY SHASHI	S.Y.B.Sc	Nancy	AB	Nancy	Nancy	Nancy	Nancy	Nancy	Nancy

2309	VALVI AKSHATA AANUDAS	S.Y.B.Sc	A,Valvi	A,Valvi	Analvi	Avalvi	Analvi	Avalvi	Analvi	Avalvi
2310	SAROJ SUREKHA RAMSUMER	S.Y.B.Sc	SSK	SSK	SSK	SSK	SSK	SSK	SSK	SSK
2315	SONAWANE JAYABAI GOKUL	S.Y.B.Sc	SSona	SSona	SSona	SSona	SSona	SSona	SSona	SSona
2316	CHAUDHARI VINAY JITENDRA	S.Y.B.Sc	VE	VE	VE	VE	VE	VE	VE	VE
2317	NIRMAL POOJA GANESH	S.Y.B.Sc	Pooja	Pooja	AB	Pooja	Pooja	Pooja	Pooja	Pooja
2318	THAKUR SAYALI SUBHASH	S.Y.B.Sc	S.Thakur	S.Thakur	S.Thakur	S.Thakur	S.Thakur	S.Thakur	S.Thakur	S.Thakur
2319	PAWAR HARSHALI CHANDRAKANT	S.Y.B.Sc	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
2320	MEHER RUCHA RAJESH	S.Y.B.Sc	R	R	R	R	R	R	R	R
2321	DHANU BHAVIKA SATISH	S.Y.B.Sc	Bhavika	Bhavika	Bhavika	Bhavika	Bhavika	AB	Bhavika	Bhavika
2615	JHA SARASWATI RAMAKANT	T.Y.B.Sc.	Jha	Jha	Jha	Jha	Jha	Jha	Jha	Jha
2643	KAKAD ASMITA YASHWANT	T.Y.B.Sc.	Akabad	Akabad	Akabad	Akabad	Akabad	Akabad	Akabad	Akabad
2644	RAUT TEJAL SANTOSH	T.Y.B.Sc.	Raut	Raut	Raut	Raut	Raut	Raut	Raut	Raut
2645	BORSE SHUBHAM VASUDEV	T.Y.B.Sc.	Borse	Borse	Borse	Borse	Borse	Borse	Borse	Borse
26001	MORE JIDNYA DASHRATH	T.Y.B.Sc.	J.D.more	J.D.more	J.D.more	J.D.more	J.D.more	J.D.more	J.D.more	J.D.more
26010	CHAVAN ARATI SHIVAJI	T.Y.B.Sc.	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan

ATTENDANCE REPORT

From 19th October, 2018 to 30th October, 2018

Roll No.	Name of Student	Class	19.10.2018	20.10.2018	22.10.2018	23.10.2018	24.10.2018	25.10.2018	26.10.2018	27.10.2018	29.10.2018	30.10.2018
2032	PACHANGE DHANASHREE UDDHAV	F.Y.B.Sc	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>	<u>Dhanashree</u>
2034	LOKHANDE JYOTSNA BHARAT	F.Y.B.Sc	<u>Jyotshande</u>	<u>Jyotshande</u>	<u>Jyotshande</u>	<u>Jyotshande</u>	<u>Jyotshande</u>	<u>Jyotshande</u>	<u>Jyotshande</u>	<u>Jyotshande</u>	<u>Jyotshande</u>	<u>Jyotshande</u>
2036	PATHAN SIDDHIKA DILAWAR	F.Y.B.Sc	<u>Spathan</u>	<u>Spathan</u>	<u>Spathan</u>	<u>Spathan</u>	<u>Spathan</u>	<u>Spathan</u>	<u>Spathan</u>	<u>Spathan</u>	<u>Spathan</u>	<u>Spathan</u>
2037	VINKAR SAPANA RAMESH	F.Y.B.Sc	<u>S.vinkar</u>	<u>S.vinkar</u>	<u>S.vinkar</u>	<u>S.vinkar</u>	<u>S.vinkar</u>	<u>S.vinkar</u>	<u>S.vinkar</u>	<u>S.vinkar</u>	<u>S.vinkar</u>	<u>S.vinkar</u>
2038	SHINDE ANKIT BABASAHEB	F.Y.B.Sc	<u>Ashinde</u>	<u>Ashinde</u>	<u>Ashinde</u>	<u>Ashinde</u>	<u>Ashinde</u>	<u>Ashinde</u>	<u>Ashinde</u>	<u>Ashinde</u>	<u>Ashinde</u>	<u>Ashinde</u>
2039	MAHAJAN YOGESH VIJAY	F.Y.B.Sc	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>	<u>Yogesh</u>
2069	PATIL ANJALI LAXMAN	F.Y.B.Sc	<u>Apatil</u>	<u>Apatil</u>	<u>Apatil</u>	<u>Apatil</u>	<u>Apatil</u>	<u>Apatil</u>	<u>Apatil</u>	<u>Apatil</u>	<u>Apatil</u>	<u>Apatil</u>
2070	KINI ARPITA ATMARAM	F.Y.B.Sc	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>	<u>Akini</u>
2072	SUTHAR SONU RUPLAL	F.Y.B.Sc	<u>Butthar</u>	<u>Butthar</u>	<u>Butthar</u>	<u>Butthar</u>	<u>Butthar</u>	<u>Butthar</u>	<u>Butthar</u>	<u>Butthar</u>	<u>Butthar</u>	<u>Butthar</u>
2073	KHALIFA AYESHA NAJEEB	F.Y.B.Sc	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>	<u>Ayesha</u>
2078	GUTALA NILIMA VENKAT	F.Y.B.Sc	<u>Nitkala</u>	<u>Nitkala</u>	<u>Nitkala</u>	<u>Nitkala</u>	<u>Nitkala</u>	<u>Nitkala</u>	<u>Nitkala</u>	<u>Nitkala</u>	<u>Nitkala</u>	<u>Nitkala</u>
2080	SURYWANSHI RAGINI VIDHYADHAR	F.Y.B.Sc	<u>Rive</u>	<u>Rive</u>	<u>Rive</u>	<u>Rive</u>	<u>Rive</u>	<u>Rive</u>	<u>Rive</u>	<u>Rive</u>	<u>Rive</u>	<u>Rive</u>

2081	BARAD SANJAY MAHADU	F.Y.B.Sc	Barad	Barad	Barad	Barad	AB	Barad	Barad	Barad	Barad	AB	Barad
2083	DABHADE ANKUSH TUKARAM	F.Y.B.Sc	Dabhale	Dabhale	Dabhale	Dabhale	Dabhale	Dabhale	Dabhale	Dabhale	Dabhale	AB	Dabhale
2084	THAKUR CHHAYA SUBODH	F.Y.B.Sc	AB	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur
2085	YADAV ABHISHEK VIRENDRA	F.Y.B.Sc	Ayadav	AB	Ayadav	Ayadav	Ayadav	Ayadav	Ayadav	Ayadav	Ayadav	Ayadav	Ayadav
2086	GIRASE ROHINI DHANSINGH	F.Y.B.Sc	GRD:	GRD:	GRD:	GRD:	GRD:	GRD:	GRD:	GRD:	GRD:	GRD:	GRD:
2087	DUBEY LAXMI PRIYESH	F.Y.B.Sc	Dubey	Dubey	Dubey	AB	Dubey	AB	AB	Dubey	Dubey	Dubey	Dubey
2088	THAKUR YADNYESH NARESH	F.Y.B.Sc	Thakur	Thakur	AB	Thakur	AB	Thakur	Thakur	Thakur	Thakur	Thakur	Thakur
2089	PINGALE TEJASHREE GANESH	F.Y.B.Sc	Teja.p	Teja.p	Teja.p	Teja.p	Teja.p	AB	Teja.p	Teja.p	Teja.p	Teja.p	Teja.p
90004	PATIL ADITI KONDYA	F.Y.B.Sc	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi
90019	RAUT AAKANKSHA SUNIL	F.Y.B.Sc	A.S.Raut	A.S.Raut	A.S.Raut	A.S.Raut	A.S.Raut	A.S.Raut	A.S.Raut	A.S.Raut	A.S.Raut	A.S.Raut	A.S.Raut
90030	DHANU SHRUSHTI RAJESH	F.Y.B.Sc	AB	Bann	Bann	AB	Bann	Bann	Bann	Bann	Bann	Bann	AB
90031	KHAN ASIF MUNAWWAR	F.Y.B.Sc	Asif.k	Asif.k	Asif.k	Asif.k	Asif.k	Asif.k	Asif.k	Asif.k	Asif.k	Asif.k	Asif.k
2301	VAZURKAR NIDHI NIRANJAN	S.Y.B.Sc	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi	Nidhi

2302	KHOJA ZAINAB SAJIDALI	S.Y.B.Sc	Zahib	Zahib	Zahib	Zahib	Zahib	Zahib	Zahib	Zahib	Zahib	Zahib
2304	RATHAD VAIBHAVI SANTOSH	S.Y.B.Sc	Vpathad	Vpathad	Vpathad	Vpathad	Vpathad	Vpathad	Vpathad	Vpathad	Vpathad	Vpathad
2305	MORE PRANJALI PRAMOD	S.Y.B.Sc	More	More	More	More	More	More	More	More	More	More
2307	PATIL GAYATRI PRAKASH	S.Y.B.Sc	Apatti	Apatti	Apatti	Apatti	Apatti	Apatti	Apatti	Apatti	Apatti	Apatti
2308	RATHOD NANCY SHASHI	S.Y.B.Sc	Nancy	Nancy	Nancy	Nancy	Nancy	Nancy	Nancy	Nancy	Nancy	Nancy
2309	VALVI AKSHATA AANUDAS	S.Y.B.Sc	Avalvi	Avalvi	Avalvi	Avalvi	Avalvi	Avalvi	Avalvi	Avalvi	Avalvi	Avalvi
2310	SAROJ SUREKHA RAMSUMER	S.Y.B.Sc	Sari	Sari	Sari	Sari	Sari	Sari	Sari	Sari	Sari	Sari
2315	SONAWANE JAYABAI GOKUL	S.Y.B.Sc	Gokul	Gokul	AB	Gokul	Gokul	Gokul	AB	AB	AB	AB
2316	CHAUDHARI VINAY JITENDRA	S.Y.B.Sc	V	V	V	V	V	V	V	V	B	V
2317	NIRMAL POOJA GANESH	S.Y.B.Sc	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
2318	THAKUR SAYALI SUBHASH	S.Y.B.Sc	Shuk	Shuk	Shuk	Shuk	Shuk	Shuk	Shuk	Shuk	Shuk	Shuk
2319	PAWAR HARSHALI CHANDRAKANT	S.Y.B.Sc	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
2320	MEHER RUCHA RAJESH	S.Y.B.Sc	R	R	R	R	R	R	R	R	R	R

2321	DHANU BHAVIKA SATISH	S.Y.B.Sc	धनु	धनु	AB	धनु	AB	धनु	धनु	धनु	धनु	धनु	धनु
2615	JHA SARASWATI RAMAKANT	T.Y.B.Sc.	जहा	जहा	जहा	जहा	जहा	जहा	जहा	जहा	जहा	जहा	जहा
2643	KAKAD ASMITA YASHWANT	T.Y.B.Sc.	ककड	AB	ककड	ककड	ककड	ककड	ककड	ककड	ककड	AB	ककड
2644	RAUT TEJAL SANTOSH	T.Y.B.Sc.	रौत	रौत	रौत	रौत	रौत	रौत	रौत	रौत	रौत	रौत	रौत
2645	BORSE SHUBHAM VASUDEV	T.Y.B.Sc.	बोर्से	बोर्से	बोर्से	बोर्से	बोर्से	बोर्से	बोर्से	बोर्से	बोर्से	बोर्से	बोर्से
26001	MORE JIDNYA DASHRATH	T.Y.B.Sc.	जि.ड.मोरे	जि.ड.मोरे	AB	जि.ड.मोरे	जि.ड.मोरे	जि.ड.मोरे	जि.ड.मोरे	जि.ड.मोरे	जि.ड.मोरे	AB	जि.ड.मोरे
26010	CHAVAN ARATI SHIVAJI	T.Y.B.Sc.	चावनि	AB	चावनि	चावनि	चावनि	चावनि	चावनि	AB	चावनि	चावनि	चावनि

STUDENTS GRADE SHEET

Sr. No.	Roll No.	Name of Student	Class	Asign.	MCQs	Total	Grade
1	2032	PACHANGE DHANASHREE UDDHAV	F.Y.B.Sc	20	17	37	B
2	2034	LOKHANDE JYOTSNA BHARAT	F.Y.B.Sc	23	22	45	A
3	2036	PATHAN SIDDHIKA DILAWAR	F.Y.B.Sc	22	23	45	A
4	2037	VINKAR SAPANA RAMESH	F.Y.B.Sc	18	24	42	B+
5	2038	SHINDE ANKIT BABASAHEB	F.Y.B.Sc	19	21	40	B+
6	2039	MAHAJAN YOGESH VIJAY	F.Y.B.Sc	15	20	35	B
7	2069	PATIL ANJALI LAXMAN	F.Y.B.Sc	17	16	33	C+
8	2070	KINI ARPITA ATMARAM	F.Y.B.Sc	22	19	41	B+
9	2072	SUTHAR SONU RUPLAL	F.Y.B.Sc	23	23	46	A
10	2073	KHALIFA AYESHA NAJEEB	F.Y.B.Sc	24	24	48	A
11	2078	GUTALA NILIMA VENKAT	F.Y.B.Sc	21	21	42	B+
12	2080	SURYWANSHI RAGINI VIDHYADHAR	F.Y.B.Sc	19	19	38	B
13	2081	BARAD SANJAY MAHADU	F.Y.B.Sc	15	15	30	C+
14	2083	DABHADE ANKUSH TUKARAM	F.Y.B.Sc	17	20	37	B
15	2084	THAKUR CHHAYA SUBODH	F.Y.B.Sc	22	23	45	A
16	2085	YADAV ABHISHEK VIRENDRA	F.Y.B.Sc	23	22	45	A
17	2086	GIRASE ROHINI DHANSINGH	F.Y.B.Sc	24	18	42	B+
18	2087	DUBEY LAXMI PRIYESH	F.Y.B.Sc	21	19	41	B+
19	2088	THAKUR YADNYESH NARESH	F.Y.B.Sc	20	15	35	B
20	2089	PINGALE TEJASHREE GANESH	F.Y.B.Sc	16	17	33	C+
21	90004	PATIL ADITI KONDYA	F.Y.B.Sc	19	22	41	B+
22	90019	RAUT AAKANKSHA SUNIL	F.Y.B.Sc	23	23	46	A
23	90030	DHANU SHRUSHTI RAJESH	F.Y.B.Sc	24	24	48	A
24	90031	KHAN ASIF MUNAWWAR	F.Y.B.Sc	21	21	42	B+
25	2301	VAZURKAR NIDHI NIRANJAN	S.Y.B.Sc	19	19	38	B
26	2302	KHOJA ZAINAB SAJIDALI	S.Y.B.Sc	15	15	30	C+
27	2304	RATHAD VAIBHAVI SANTOSH	S.Y.B.Sc	17	22	39	B
28	2305	MORE PRANJALI PRAMOD	S.Y.B.Sc	24	23	47	A
29	2307	PATIL GAYATRI PRAKASH	S.Y.B.Sc	21	24	45	A
30	2308	RATHOD NANCY SHASHI	S.Y.B.Sc	20	21	41	B+
31	2309	VALVI AKSHATA AANUDAS	S.Y.B.Sc	15	20	35	B
32	2310	SAROJ SUREKHA RAMSUMER	S.Y.B.Sc	17	16	33	C+
33	2315	SONAWANE JAYABAI GOKUL	S.Y.B.Sc	22	19	41	B+
34	2316	CHAUDHARI VINAY JITENDRA	S.Y.B.Sc	23	24	47	A
35	2317	NIRMAL POOJA GANESH	S.Y.B.Sc	24	21	45	A
36	2318	THAKUR SAYALI SUBHASH	S.Y.B.Sc	21	20	41	B+
37	2319	PAWAR HARSHALI CHANDRAKANT	S.Y.B.Sc	20	15	35	B
38	2320	MEHER RUCHA RAJESH	S.Y.B.Sc	16	17	33	C+
39	2321	DHANU BHAVIKA SATISH	S.Y.B.Sc	19	21	41	B+
40	2615	JHA SARASWATI RAMAKANT	T.Y.B.Sc.	23	20	43	B+
41	2643	KAKAD ASMITA YASHWANT	T.Y.B.Sc.	24	16	40	B+
42	2644	RAUT TEJAL SANTOSH	T.Y.B.Sc.	21	19	40	B+
43	2645	BORSE SHUBHAM VASUDEV	T.Y.B.Sc.	19	24	43	B+
44	26001	MORE JIDNYA DASHRATH	T.Y.B.Sc.	15	21	36	B
45	26010	CHAVAN ARATI SHIVAJI	T.Y.B.Sc.	16	20	36	B

Jr
Dr. Jayananda Tosh
 (Head Dept. of Botany)



SAMPLE CERTIFICATES

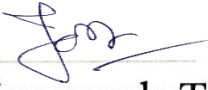
DEPARTMENT OF BOTANY
SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND
M.H. MEHTA SCIENCE COLLEGE, PALGHAR


**CERTIFICATE
OF APPRECIATION**


THE FOLLOWING APPRECIATION IS GIVEN TO

Miss. Prayjali Pramod More

*For successfully participating course in 'Solid liquid waste
management'*


Dr. Jayananda Tosh
Head, department of
Botany




Dr. Kiran Save
Principal


DEPARTMENT OF BOTANY
SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND
M.H. MEHTA SCIENCE COLLEGE, PALGHAR

CERTIFICATE
OF APPRECIATION


THE FOLLOWING APPRECIATION IS GIVEN TO

Miss. Aakansha Sunil Raut

*For successfully participating course in 'Solid liquid waste
management'*


Dr. Jayananda Tosh
Head, department of
Botany




Dr. Kiran Save
Principal


DEPARTMENT OF BOTANY
SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND
M.H. MEHTA SCIENCE COLLEGE, PALGHAR

CERTIFICATE
OF APPRECIATION


THE FOLLOWING APPRECIATION IS GIVEN TO

Mr. Yogesh Vijay Mahajan

*For successfully participating course in 'Solid liquid waste
management'*


Dr. Jayananda Tosh
Head, department of
Botany




Dr. Kiran Save
Principal

SUMMARY REPORT

This course provides a comprehensive overview of solid waste management principles, practices, and technologies. Students will explore the sources, types, and composition of solid waste, as well as the environmental, social, and economic implications of improper waste management. Topics include waste generation, collection, transportation, treatment, recycling, resource recovery, and disposal methods. Emphasis is placed on sustainable waste management strategies, regulatory frameworks, and emerging trends in the field.

Course Structure:

Duration: 36 hours

Format: Lectures, discussions, case studies, Test

Date of commencement: 08-10-2018

Date of completion: 30-10-2018



Dr. Jayananda Tosh

(Head Dept. of Botany)