

# 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, 3<sup>rd</sup> 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

#### 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: sdsmcollege@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

#### Sonopant Dandekar Shikshan Mandali's



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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

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Dr. Jayananda Tosh



#### Sonopant Dandekar Shikshan Mandali's



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

Tal. Palghar, Dist. Palghar, Pin - 401 404. Code.: (02525) 252163, Prin: 252317 • Resi.: 252316

website: www.sdsmcollege.com • Email:sdsmcollege@yahoo.com (NAAC Reaccredated '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

# 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.



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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<sup>+</sup>: 50 (Outstanding)

A: 45 (Excellent)

B<sup>+</sup>: 40 (Very good)

B: 35 (Good)

C<sup>+</sup>: 30 (Above average)

C: 25 (average)

E: 20 (Pass)

F: Below 20 (Fail)

### ATTENDANCE REPORT

# From 8<sup>th</sup> October, 2018 to 17<sup>th</sup> October, 2018

Roll	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
No.					Just	Lill	July	July	Market	andre
2032	PACHANGE DHANASHREE UDDHAV	F.Y.B.Sc	Munushreet	Quandruck	Aleunaahur	Qhanauth?	Operation			Olanambrus Jyotsna
2034	LOKHANDE JYOTSNA BHARAT	F.Y.B.Sc	Jyotsna	Jyotsha	AB	Jyotsna	Jyotsna	Jyotsna O Whi	Ciddhi Ciddhi	Piddhi
2036	PATHAN SIDDHIKA DILAWAR	F.Y.B.Sc	Giddhi	Siddhi	Giddhi	Siddhi	Siddhi	Siddhi	2	Svinkar
2037	VINKAR SAPANA RAMESH	F.Y.B.Sc	S. vinkar	Silinkar		S. Vinkar	S. Vinkar	S. Vinkar	S-Vinkar	-
2038	SHINDE ANKIT BABASAHEB	F.Y.B.Sc	Muit	Andit	Anuit	Ankit	Rypir	Anteit	Ankit	Ruli
2039	MAHAJAN YOGESH VIJAY	F.Y.B.Sc	Yoguh	Yogesh	Yogesh	Yogesh	Yogesh	Yogerh	Yogesh	Yogush
2069	PATIL ANJALI LAXMAN	F.Y.B.Sc	Anjal!	Arjali.	thiali.	Anjali	Anjall	^	0 .	Anjali
2070	KINI ARPITA ATMARAM	F.Y.B.Sc	Akini	Akíni	Akini	(A kini	AB	Akini	Akini	Akini
2072	SUTHAR SONU RUPLAL	F.Y.B.Sc	Bond.	8m	SM.	Swi	Sw.	Swi	Son!	Lucilas
2073	KHALIFA AYESHA NAJEEB	F.Y.B.Sc	Ayesha	Ayesha	Ayesha	Ayerhy	Ayerha	-	Ayesha	Ayerha
2078	GUTALA NILIMA VENKAT	F.Y.B.Sc	Wiling	Vilima	Milima	Kilima	Wilima	Nilima	Alilima	Milina
2080	SURYWANSHI RAGINI VIDHYADHAR	F.Y.B.Sc	Ragni	Lagra	Ragni	Ragni	Ragni	Kagni	Ragni	Keight
2081	BARAD SANJAY MAHADU	F.Y.B.Sc	AB	Barad	Sarad	Sarao	Barac	Burac	Barad	Parac
2083	DABHADE ANKUSH TUKARAM	F.Y.B.Sc	Dabaatik	Baradisk	Datade.	Dobaduk	Dabade-A	Dubadi.A	Dabade	AB

.084	THAKUR CHHAYA SUBODH	F.Y.B.Sc (	.Thatur	C. Thakum	C. That UT	c.Thakur	C.Thaku'r	C. Thabit	-	(.Thaku
2085	YADAV ABHISHEK VIRENDRA	F.Y.B.Sc	Alohi	Abhi	Abhi	超	Abh	Abril	Abh	Abhi
2086	GIRASE ROHINI DHANSINGH	F.Y.B.Sc	yes.	ano.	GRAD.	yen.	GRA!	yes.	yel.	980
2087	DUBEY LAXMI PRIYESH	F.Y.B.Sc	taxmi	Laxmi	Laxmi	Larmi	Laxmi	LORMI	LaxIn	AB July
2088	THAKUR YADNYESH NARESH	F.Y.B.Sc	Makel	Valley	Natur	Walnes	(Julius)	Markey	/	Mahar
2089	PINGALE TEJASHREE GANESH	F.Y.B.Sc	AB	Teja:P	Teja-P	Tejg.P	Tejal	Teja P	Teja P	Teja P
90004	PATIL ADITI KONDYA	F.Y.B.Sc	Adille	Aditi	Adill	Hour	Adult		100	
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
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90031		F.Y.B.Sc	800.V	skef.K	Asif.K	Asif.K	Acif. K	Asif K	Seif K	AB
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2309	VALVI AKSHATA AANUDAS	S.Y.B.Sc	A, Valus	A Natur	Rhodri	Avalvi	Analui	Ayabii	Ryalvi	- fulsi
2310	SAROJ SUREKHA RAMSUMER	S.Y.B.Sc	8884		1884	881	188	210	0/	Ryalui
2315	SONAWANE JAYABAI GOKUL	S.Y.B.Sc	Grove	Grand	Gona	Georg	Lyona	Gova	88h	(hours
2316	CHAUDHARI VINAY JITENDRA	S.Y.B.Sc	NO	Re	re	(PD)	(NO)	(V)	(D)	P/
2317	NIRMAL POOJA GANESH	S.Y.B.Sc	Poole	Pooja	AB.	Pooja	Pools	Rooja	Pools	Roots
2318	THAKUR SAYALI SUBHASH	S.Y.B.Sc	3. Thakur	SThaker	SiThakur	S:Thakur	S:Thakur	S. Thakur	S. Thalcur	20
2319	PAWAR HARSHALI CHANDRAKANT	S.Y.B.Sc	Pawer	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar	Pawar
2320	MEHER RUCHA RAJESH	S.Y.B.Sc	P	P	P	D	D,	<u>P</u>	P	P
2321	DHANU BHAVIKA SATISH	S.Y.B.Sc	Bhamba	Bhairte	ghairika	Bhanda	Brande	AB	Brainer	Phairte
2615	JHA SARASWATI RAMAKANT	T.Y.B.Sc.	Tha	Ana	The	the	4ha	The	the	The Sha
2643	KAKAD ASMITA YASHWANT	T.Y.B.Sc.	Hapri	Abdeed	Heakas	Akalead.	Hakad	Hakad	Hape of -	Akakad
2644	RAUT TEJAL SANTOSH	T.Y.B.Sc.	Faut	Faut	Faut	Faut	Faut	Rame	Faut	Rout
2645	BORSE SHUBHAM VASUDEV	T.Y.B.Sc.	(300)e	S3mse	Bonse	Stone	Bone	6 Bone	Bone	Singe
26001	MORE JIDNYA DASHRATH	T.Y.B.Sc.	J.D. More	J. D.Mase	F.D. Marc	J.D.MAR				8.0. max
26010	CHAVAN ARATI SHIVAJI	T.Y.B.Sc.	Nehavay	Reham	Wilharm	Wehavar	Rehavan	Ochavan (	Pelionas	Rehavar

### ATTENDANCE REPORT

# From 19<sup>th</sup> October, 2018 to 30<sup>th</sup> October, 2018

Roll	Ne											
No	Name of	Class	19.10.2018	20.10.2018	22.40.2042		140	. Y				
2032	Student			20.10.2018	22.10.2018	23.10.2018	24.10.2018	25.10.2018	26.10.2018	27.10.2018.	29.10.2018	30.10.2
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	RAMESH		3. 0	3.	5.	2. 1111	2.11.	5.4.	5,011	5,01	8. NI111	Svinkan
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2072	SUTHAR SONU	F.Y.B.Sc	Rothers 1	Bothard	- Anthory	Buthers	(Sathing	Brothers	Suthers!	Brothos (	Skethars	Buellor
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2081	BARAD SANJAY MAHADU	F.Y.B.Sc	Baray	Borad	Spord	Sorad	AB	Sorod	Sperie	Sproch	AB	Spored
2083	DABHADE ANKUSH TUKARAM	F.Y.B.Sc	Dubhole	Delboulae	Days	Dalor	Dott	Derfende	Dalabal	Derpred	AB	Deland
2084	THAKUR CHHAYA SUBODH	F.Y.B.Sc	AB	War	Navage	Thakuk	Morrie	@panang	Chukud	Mount	Though	Carolina Carolina
2085	YADAV ABHISHEK VIRENDRA	F.Y.B.Sc	Ayaclar	AB	Ayadar	Ayadın	Agadav	Ayadan	Ayadau	Ayadan	Ayadav	#
2086	GIRASE ROHINI DHANSINGH	F.Y.B.Sc	CRD:	1500	OD:	(aD:	(Del)	(Rd)	(00:	UPD		020
2087	DUBEY LAXMI PRIYESH	F.Y.B.Sc	Dubell	Dubey	- Duber	AB	Duber	AB	AB	Dubers	Dinger	Duber
2088	THAKUR YADNYESH NARESH	F.Y.B.Sc	Adah	Delegh	AB	Topleth	AB	Talah	Hodish	(100/05)	170/8/0	Copy
2089	PINGALE TEJASHREE GANESH	F.Y.B.Sc	Teja.p	Teja:1°	Tejap	Teju.p	Teja.p	AB	Teguip	Teja:p	tejaip	Tejon
90004	PATIL ADITI KONDYA	F.Y.B.Sc	Aditi	Aditi	Hodin	Aditi	Aditi	Aditi	Holiti	Haliti	Aditi -	ANY!
90019	RAUT AAKANKSHA SUNIL	F.Y.B.Sc	A.s. Rout	A.S.ROWX	A. S. Rom	P.S. Roul	k.s. konx	k.s. Paul	A.S. Roux	R.S. Roux	N'S Rould	22 kan
90030	DHANU SHRUSHTI RAJESH	F.Y.B.Sc	AB	Burn	Bauer	AB	Baun	Bourn	Bern	Barn	Bann	AB
90031	KHAN ASIF MUNAWWAR	F.Y.B.Sc	JAK K	April . K	Ashif. K	Dehit-K		dohit. K	My :K	Applif-K	Polity	Sport K
2301	VAZURKAR NIDHI NIRANJAN	S.Y.B.Sc	Diahi	J.gh.	Digni	Bign,	Bigh,	O'spy,	B.g.	Wigh,	Bigh,	6.'8w

2302	KHOJA ZAINAB SAJIDALI	S.Y.B.Sc	Zahib	Zaribi	Zarib .	Zanib.	Zamib	Zemib	Jamib.	Zarilo	zunib	Zevnik
2304	RATHAD VAIBHAVI SANTOSH	S.Y.B.Sc	posted	Spalled	Marked	pathoel	Sperffeel	Mothod	Sperfeel	Nextee	Josephod	refler
2305	MORE PRANJALI PRAMOD	S.Y.B.Sc	pore	More	More	More	Mote	note	mare	note	More	Dors
2307	PATIL GAYATRI PRAKASH	S.Y.B.Sc	(parti	april	Optil	Oputil	(Chtil	Operti	(grafi)	anoti1	(Cynti	Ontil
2308	RATHOD NANCY SHASHI	S.Y.B.Sc	Jano	Nowed	Named	Donat	Movey	Dana	Nower	( Lucer)		Perent
2309	VALVI AKSHATA AANUDAS	S.Y.B.Sc	Dropi'	May:	Davi.	Au .	Dobi.	Duyi	Ding.	April		Dori
2310	SAROJ SUREKHA RAMSUMER	S.Y.B.Sc	A Si	A)	999	S. D. is	98P:	<i>98</i> 8;	De la companya della companya della companya de la companya della	80°	- SS/A-	882,
2315	SONAWANE JAYABAI GOKUL	S.Y.B.Sc	Com	Cause	AB		July 1		AB	AB	AB	AB
2316	CHAUDHARI VINAY JITENDRA	S.Y.B.Sc	0	<b>D</b>	0	D.	W.	0	<b>Ø</b>	<b>D</b>	3 (	<b>O</b>
2317	NIRMAL POOJA GANESH	S.Y.B.Sc	Posja	booter	Baja	Gooder	Joold	Boole	Goder.	boold	bonto	Porto
2318	THAKUR SAYALI SUBHASH	S.Y.B.Sc	Jul	(Color)	10 July	Ship	(S) mil	A has	OH!	3 hul	Share	
2319	PAWAR HARSHALI CHANDRAKANT	S.Y.B.Sc	pawar	pawar	pawar	Pawar	Pawar	Pawar	Pawar	Pawer	Pawers	Pawas
2320	MEHER RUCHA RAJESH	S.Y.B.Sc	P	P	P	P		(P)		(R)	(P)_	(P)

2321	DHANU	S.Y.B.Sc										
	BHAVIKA		Bharia	Bhana	40	money		Land	Len.	10004		(m)
	SATISH			U	AB	Brane	AB	Bhany	and with	1 0 M	Shann	2) CO.
2615	JHA	T.Y.B.Sc.	81.		0.			W	<b>A</b>	<b>V</b>	0-	0/
	SARASWATI		the	That	Sher	Short	Shot -	tha.	Shel	AL. AL	a1 .	01 01
	RAMAKANT		1	1	9	die	: The	Sha	0.0	The	gha	Jones .
2643	KAKAD ASMITA	T.Y.B.Sc.	a. wah		a made	- 1014			1	,	7	
	YASHWANT		Axaras	AB	Drokad	prarad	Marad	Avaicad	gravad	avarad	AB →	Raka
2644	RAUT TEJAL	T.Y.B.Sc.	Rout	Raut					100		- 10	
	SANTOSH	_	Nalay .	faut.	Rout	Saut	Rout	Raut	Rout.	Faut	Raut	Rout
2645	BORSE	T.Y.B.Sc.					_					
	SHUBHAM		(Soge	Boese	Const.	Borse	Sporse	SPORTS	. (Spooss	(BOSSE	(580052	Serves
	VASUDEV			1			6					20/-
26001	MORE JIDNYA	T.Y.B.Sc.	T. Dinore	F. Dinar	Δn	F.D. more	F.D. Morc	Lo. marc	F.D. more	-	10 more	
	DASHRATH		0	000	AB		(1.1).11	0	Jon.	AB	J. Carlo	AB
26010	CHAVAN ARATI	T.Y.B.Sc.	Coson	AB	Mari	Casoln	Openi	Meng		0.0	7	0-10
	ILAVIHZ		Carlo Call	7 10	Theral	Chach	Checus	Cheari	AB	CFROUT	CHECK!	GAGO

#### **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	В
2	2034	LOKHANDE JYOTSNA BHARAT	F.Y.B.Sc	23	22	45	Α
3	2036	PATHAN SIDDHIKA DILAWAR	F.Y.B.Sc	22	23	45	Α
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	В
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	Α
10	2073	KHALIFA AYESHA NAJEEB	F.Y.B.Sc	24	24	48	Α
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	В
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	В
15	2084	THAKUR CHHAYA SUBODH	F.Y.B.Sc	22	23	45	Α
16	2085	YADAV ABHISHEK VIRENDRA	F.Y.B.Sc	23	22	45	Α
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	В
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	Α
23	90030	DHANU SHRUSHTI RAJESH	F.Y.B.Sc	24	24	48	Α
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	В
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	В
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	В
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	В
177		MEHER RUCHA RAJESH	S.Y.B.Sc	16	17	33	C+
38	2320	DHANU BHAVIKA SATISH	S.Y.B.Sc	19	21	41	B+
39	2321	JHA SARASWATI RAMAKANT	T.Y.B.Sc.	23	20	43	B+
40	2615		A	24	16	40	B+
41	2643	KAKAD ASMITA YASHWANT	T.Y.B.Sc.		19	40	821
42	2644	RAUT TEJAL SANTOSH	T.Y.B.Sc.	21			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	В
45	26010	CHAVAN ARATI SHIVAJI	T.Y.B.Sc.	16	20	36	В

fir

Dr. Jayananda Tosh



#### **SAMPLE CERTIFICATES**

# DEPARTMENT OF BOTANY

M.H. MEHTA SCIENCE COLLEGE, PALGHAR

# CERTIFICATE OF APPRECIATION

THE FOLLOWING APPRECIATION IS GIVEN TO

Miss. Praviali 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

PANT 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

# DEPARTMENT OF BOTANY

SOMEPANT 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