

<u>1.2 AcademicFlexibility(30)</u>

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

AND

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

VAC Title:	Desi	gn & T	esting of [Bio-Degrada	able P	lastics	in Chemist	ry		
Resource Pe	erson:	Trainin ETS Ao	Kalaiyazha g In charg cademy, 538001.	0		Manaş ETS A	.Manikandar ger, Academy, -638001.	1,		
Dat e of con	duct f	rom:	11.03.20	24	To:	16.03	.2024	Duration:	36H	lours
Organized I	Depar	tment:	DEPART	MENT OF	SCIE	NCE &	& HUMANI	TIES	<u>.</u>	
Participant Year:		I Year S	S&H	Semester:	E	VEN	No. of Stu Registered			125
Venue: Le	ecture	hall of	I Year S&	żН						

TABLE OF CONTENT

S NO	DOCUMENT	PAGE-NO
1	Value added Course Circular	3-3
2	Value added Course Schedule	4-4
3	List of students participants	5-7
4	Attendance of Students	8-14
5	Value added Course Report	15-15
6	Value added Course Completion Certificates	16-23
7	Value added Course Test Paper	24-27
8	Value added Course Answer Key	28-28
9	Value added Course Test Answer Sheet-Sample	29-32
10	Value added Course Mark Statement	33-38



DEPARTMENT OF SCIENCE & HUMANITIES

CIRCULAR

In order to bridge the curricular gap between the Academic Syllabus and Industry requirements, Department of Science & Humanities and IQAC of our Institution in association with ETS Academy is organizing a Value Added Course (VAC) for the students of I year of S&H on the title "Design & Testing Of Bio Degradable Plastics In Chemistry" from 11.03.2024 to 16.03.2024. At the end of the VAC, course completion certificates will be issued to the eligible participants as per the following norms.

 Students, who are securing more than 70% on total score in the VAC test and secured more than 75% in VAC attendance is eligible to receive the course completion certificate for the VAC attended.

ResourcePerson	Mr.M.Kalaiyazhagan, Training Incharge,	Mr.M.Manikandan, Manager, ETS Academy,
Details	ETS Academy, Erode-638001	Erode-638001
Venue	Lecturchallof I year S&H	

Copy to:

- 1. Chairman & Secretary for information
- 2. Principal office
- 3. IQAC Co-Ordinator
- 4. Class Incharges-I year S&H
- 5.1 year S&H Students
- 6. S&H Notice Board
- 7. Department File



PRINCIPAL



DEPARTMENT OF SCIENCE & HUMANITIES

Ref.SCE / S&H/Students / VAC / 2023 - 2024 / EVEN

11.03.2024

SYLLABUS-VALUEADDED COURSE

"Design & Testing of Bio Degradable Plastics in Chemistry"

From 11.03.2024 to 16.03.2024(6days)

Duration: 36 Hours

Academic Year: 2023 -2024/EVEN

S.No.	Topics Covered	Duration (In Hours)	Date
1	Introduction to Biodegradable Plastics	3	11.03.2024
2	Chemistry of Biodegradable Plastics	3	11.03.2024
3	Raw Materials and Monomers for Biodegradable Plastics	3	12.03.2024
4	Materials Science of Biodegradable Plastics	3	12.03.2024
5	Biodegradable Plastic Production and Processing	3	13.03.2024
6	Testing Methods for Biodegradable Plastics	3	13.03.2024
7	Properties of Biodegradable Plastics	3	14.03.2024
8	Environmental Impact and Sustainability	3	14.03.2024
9	Innovations in Biodegradable Plastics	3	15.03.2024
10	Synthesis and Fabrication of Biodegradable Plastics	3	. 15.03.2024
11	Degradation Testing and Analysis	3	16.03.2024
12	Applications of Biodegradable Plastics	3	16.03.2024
	Total Hours	36	·

After successful completion of 36 Hours VAC, the assessment test for the VAC titled "Design & Testing Of Bio Degradable Plastics in Chemistry" will be conducted on 16.03.2024.

finator

Dr.M.VIJAYAKUMAR ME., Ph.D., PRINCIPAL SASURIE COLLEGE OF ENGINEERING. Vijsyamangalam - 638 056, Tirupur (Dt)

HoD/S&H



STUDENTS PARTICIPATION LIST -VALUE ADDED COURSE

"Design & Testing of Bio Degradable Plastics in Chemistry"

From 11.03.2024 to 16.03.2024 (6days)

Duration: 36 Hours

Academic Year: 2023 -2024/ EVEN

S.no	Register Number	Name of the Student	Year/Dept
1	732423103001	SUJAN.A	I/CIVIL
2	732423104002	ABINAYA.A	I/CSE
3	732423104003	ABINAYA.S	I/CSE
4	732423104004	ARULJOTHLP	I/CSE
5	732423104008	ASVIKA.S	I/CSE
2	732423104009	BALAJI.M	I/CSE
7	732423104010	BALASUBRAMANIAM.P	I/CSE
8	732423104012	DIVYA.M	I/CSE
9	732423104013	ELAVARASAN.R	I/CSE
10	732423104014	GOKULPRASATH.P	I/CSE
11	732423104015	GUNASURYA.S	I/CSE
12	732423104016	HARISHWA.V.S	I/CSE
13	732423104017	HARISHWARAN.V.S	I/CSE
14	732423104019	JOTHIPRIYA.B	I/CSE
15	732423104020	KANIKA.V	I/CSE
16	732423104021	KARTHIKA.G	I/CSE
17	732423104022	KASTHURI.S	I/CSE
8	732423104023	KAVIYA.R	I/CSE
19	732423104024	MAGESH.S	I/CSE
20	732423104025	MADHUMITHA.K	I/CSE
21	732423104031	PRABAKARAN.S	I/CSE
	732423104032	PRABU.A	I/CSE
.3	732423104034	PRIYADHARSHINI.P	I/CSE
4	732423104035	RAJESHKANNA.G	I/CSE
5	732423104036	RAMYA.S	I/CSE
6	732423104037	RAVISHANKAR.K	I/CSE
7	732423104038	SACHIN.R.S	I/CSE
8	732423104039	SAMIKSHA.V	I/CSE
9	732423104040	SIVARANJANI.K	I/CSE
0	732423104041	SUGUNA.K	I/CSE
1	732423104042	VIGNESHWARAN.T	I/CSE
2	732423104043	VIJAY.R	I/CSE
3	732423104044	VIKRAM.V	I/CSE
4	732423104046	VISHAL.T	I/CSE
5	732422104026	LOGESWARAN.K	I/CSE
5	732423105001	AKASH.S	1 VEEE
7	732423105002	RAJARETHINAM.M	I/EEE
3	732423105003	SANTHOSHKUMAR.M Dr.M.VIJAYAKU	AR ME., Ph.D., I/EEE

SASURIE COLLEGE OF ENGINEERING.

Vijayamangalam - C38 056, Tirupur (Dt).





STUDENTS PARTICIPATION LIST –VALUE ADDED COURSE

S.no	Register Number	Name of the Student	Year/Dept
39	732423105004	SHANMUGAM.A	I/EEE
40	732423105005	SIVAGANAPATHY.V	L'EEE'
41	732423105006	THAYOOB.S	VEEE
42	732423106001	ABINAYA.S	I/ECE
43	732423106003	AJAYKUMAR.S	I/ECE
44	732423106004	AJMEERKAJA.S	I/ECE
45	732423106005	BALAJI.M	I/ECE
46	732423106006	BALAJOTHLK	I/ECE
47	732423106007	DHARISH.N	I/ECE
48	732423106008	DHARSHAN.A	I/ECE
49	732423106010	KAVIPRIYA.V	I/ECE
0	732423106010	KIRANSHANKAR. R	I/ECE
51	732423106012	KOWSALYAR	I/ECE
52	732423106012	MANIKANDAN.P	I/ECE
52	732423106013	MATHAVAN.K	I/ECE
55	732423106014	MONICKA.B	I/ECE
55	732423106013	PARAMESHWARLG	VECE
56	732423106018	PUNITHA.D	I/ECE
57	732423106020	RAJITHA.K	I/ECE
58	732423106020	RAMESH.K	I/ECE
59	732423106021	SELVAANISHIYA.C	I/ECE
60	732423106022	SHANMUGAPRIYAN. N	I/ECE
61	732423106023	SHEELA.J	I/ECE
62	732423106024	THARUNIESVAR.M	I/ECE
63	732423106025	THENNARASU.R	I/ECE
64	732423106027	THIRUVENGADAM.L	I/ECE
65	732423100027	MIRUTHULA.N	I/MECH
05 ()}	732423114001	MUKESH.C	I/MECH
67	732423114002	PRADEEP.V	I/MECH
68	732423114003	PRAVINANAND.V	I/MECH
69 69	732423114004	RAKUL.R	I/MECH
70	732423114005	SANJEEVKUMAR.M	I/MECH
70	732423149001	AKILANDESHWARI. S	· I/CSE(CS)
72	732423149001	GUNASEELAN.R	I/CSE(CS)
73	732423149002	KAVESHWARI.T	I/CSE(CS)
73	732423149003	NAGAARJUN.N	I/CSE(CS)
75	732423149004	NAVEENRAJ.D	I/CSE(CS)
76	732423149008	PARASURAM.N	I/CSE(CS)
70	732423149008	PARASURAM.N PRAGALYA.P	I/CSE(CS)
78	732423149009	RAGAVI.R	I/CSE(CS)
78	732423149010	SOWMIKA.D	I/CSE(CS)
80	732423149011	7	I/CSE(CS)
81		SUVETHA.K	I/CSE(CS)
81	732423149014	THEANINIYAN.E	
	732423149016	YOGESH.V.K Dr.M.VIJAYAKUMAR M ABINESH A PRINCIPAL	E. Ph.D. I/CSE(CS)
83	732423205001	ABINESH.A PRINCIPAL SASURIE COLLEGE OF ENGINEE	L/IT

A SASURIE COLLEGE OF ENGINEERING.

Vijayamangalam - 538 056, Tirupur (Dt).

-

110

H



STUDENTS PARTICIPATION LIST -VALUE ADDED COURSE

S.no	Register Number	Name of the Student	Year/Dept
84	732423205002	AKASH.J	L/LL
85	732423205003	ASHWIN.S	' L/IT
86	732423205004	DANUSH.S	L/IT
87	732423205006	DHARANITHARAN.S	L/IT
88	732423205007	DHARANIVEL.R	νπ
89	732423205008	EBIN.S	LIL
90	732423205009	GOKILA.N	VIT
91	732423205010	GOWRISRI.T	L/LL
92	732423205011	KANIKA.S	VIT
93	732423205012	KARTHIK.S	ИГГ
94	732423205013	KRISHNAJITH.K	I/IT
05	732423205014	MANIKANDAN.S	VIT
96	732423205015	NANDHINI.P	I/IT
97	732423205016	NAVANEETHAKRISHNAN.N	I/IT
98	732423205017	NAVEEDULHASSAN.N	I/IT
99	732423205019	PRAVEENKUMAR.B	L/IT
100	732423205020	SANTHIYA.A	I/ГГ
101	732423205021	E HARINI.K	I/IT
102	732423205022	SURENDAR.M	I/IT
103	732423205023	VIGNESH.S	L/IT
104	732423205024	VINODHINI.M	L/IT
105	732423243002	ARSHIYASANA.M	I/AIDS
106	732423243003	DHARSANKUMAR.S	I/AIDS
107	732423243004	DEEPIKA.S	I/AIDS
108	732423243005	GAYATHRI.S	I/AIDS
109	732423243006	GOWTHAM.V	I/AIDS
110	732423243007	HABEEBRAHMAN.J	I/AIDS
11	732423243009	HITHESHHARWIN.B	I/AIDS
112	732423243010	IMMANUVEL.H	I/AIDS
113	732423243012	JISHNU.R	I/AIDS
114	732423243013	KAVIN.S	I/AIDS
115	732423243014	KAVIYA.S	I/AIDS
116	732423243015	LATHIKA.S.K	I/AIDS
117	732423243016	MADHUMITHA.N	I/AIDS
118	732423243017	MONIKA.M	I/AIDS
119	732423243018	PRADEEP.S	I/AIDS
120	732423243019	PRIYADHARSHINLP	I/AIDS
121	732423243020	RITHIKROSHAN.G	I/AIDS
122	732423243021	SENTHAMIZH.M	I/AIDS
123	732423243022	SOBIKA.R	I/AIDS
124	732423243024	TAMIZHARASI.S	I/AIDS
125	732423243025	VIJAYKUMAR.S	I/AIDS

M.G VAC Coordinator

Dr.M.VIJAYAKUMAR ME., Ph.D., PRINCIPAL SASURIE COLLEGE OF ENGINEERING. Vijdyamangalam - 638 056, Tirupur (Dt)





DEPARTMENT OF SCIENCE & HUMANITIES

STUDENTS ATTENDANCE LIST-VALUE ADDED COURSE

"Design & Testing of Bio Degradable Plastics in Chemistry"

From 11.03.2024 to 16.03.2024(6days)

Duration: 36 Hours

Academic Year: 2023 -2024/EVEN

Signature of	the Student	5		A DAY	Aburda d	ALLAND	Reutice S	ちーの		て夏り	- Covercentary	へすらう	5 200 - 51	日日上の人	2 2 2 1		
No. of Hours	Anended			55	20	10	20		4	10		10	34		m	0	
16.03.2024	NT NJ	-			1 1	1 1		1.	1	1	1		1 1		1	1 1	
15.03.2024	FX AV				1.	r .	1 1		1 1	1 1	1 1		6 . 6	1 1	1 1		
14.03.2024	EX AV	-						1 1	1 1	1 1	1 1	1 1	1 1 1		1 1 1	ULR HE MIL	SUGNERANO
13.03.2024	FN AN						2 ~		1 1	1 1	1 1	000	-	1 0 1	194	A CULARANCE	MEMORE OF LESS OF ENGINEERIN
12.03.2024	FN AN	11			1 1			1 1				1	1	1 1	2 Gun		
31	FN AN	/ /	a ,	0 0	-	1	8.0	-	1	1	1 1		11	1 1	1 1		۲
Year/ Branch		ICIVIL	ICSE	ICSE	ICSE	ICSE	ICSE	1CSE	1CSE	ICSE	ICSE	ICSE	ICSE	ICSE	ICSE		
Name of the Student		SUJANA	ABINAYA.A	ABINAYAS	ARULJOTHLP	ASVIKAS	BALAIM	732423104010 BALASUBRAMANIAMP	MAYAM	32423104013 ELAVARASANR	THE REAL PORTLERASATHP	ELECTION OF CLUASURYAS	TITATIONALS HARISHWAYS	HARISHWARANVS	OTHERNAB		
Reg No.		100601624267	732423104002 ABINAYA.A	732423104003 ABINAYA.S	TITUTION ARULJOTHIA	SAMIVE SOOPOIELEE	MINTNE 600401675721	132423104010	WWAND CHEOREFEEL	I STOPPIETER) TIONNETTEL) slorelister.	3 annoither	H LINTOISTAN	BAUNTERNAR JOHNERNAB		
er.	-	-	Article	alie	4.00		Line		-	grin	6	eter		di se		(10.62)	elsided

		16.03.202
	OURSE	16 01 2014
SASURIERING COLLEGE OF ENGINEERING Anned to Anne University, Chennel	STUDENTS ATTENDANCE LIST-VALUE ADDED COURSE	211.03.2024 12.03.2024 13.01 2015 14.01 14.01 10.2021 12.0121 12.012
SASUREN ILLEGE OF ENGINEERIN Approved by ALOTE, New Devil	T-VALUE	13.07 2074
	ANCE LIS	12,03,2024
SABURIT BABURIT	ATTEND	11.03.2024
N OI	LUDENTS	nt Vear
	5	ī

2.40	Reg No.	Name of the Student	Year/ Branch	11.03.2024	12.03.2024	4 13.03.2024	4 14.03.2024		15/03.2024	16.03.2024	2024	No. of Hours	Signature of
-				VN NN	NV NA	NV NA	NV NA	NA N	NY	NA	NY	Attended	the Student
2	V.AXINAX 02000 KANIKA.V	KANIKA.V	VCSE	/ /	/ /	-	`	-	+	-	-	1-1-	
16	732423104021	732423104021 KARTHIKA.0	VCSE				, ,					01	V. Hamp
62	732423104022	732423104022 KASTHURLS	VCSE	1 1			, ,			3		44	at the to
N. The	732423104023 XAVIYA.R	XAVIYAR	VCSE							•		20	Harrow ?
2	732423104/24 MAGESHIS	MAGESHS	VCSE	-		1. 1	, ,		-			10	R. Vioirya
47	732423114/125	7324231 04025 MADHUMITHA.K	I/C&P									100	Colley-S
21	732423104031	732423104031 FRABARARAN.S	IICSE.								-	00	1.1.0000
22	7324231144132 FRAGULA	PRABU A	DC3E				, ,	-				200	· P
23	732423114174	732423104/04 PPT/ADHAP3HIMLP	I/CKP	1 1					``			96	A. Problum
56	13242386405	TI2A23104065 RAJESHKANNAG	VC\$P.	0				``	``	•		99	p. P. H. H.
52	7324231144106 P.A.MYA.S	PANYAS	NCAR	1 1				-		-		66	C. Patri h
3.6	7324233 (44137	712423104037 PAVISHANKAR K	WC9R	0		5 -				-		23	Monthow
5.	221111224226	SAL HINS P. S	VC5E	1)			100	5
13	13262311414171	732A238 VALVY RAMIKANA Y	18:04.	1						1	-	94	00
13	132523114441	732A23894949 \$5748 6361A361 K	ICSE:				3		1	-		112	V TUSWILLY
X	732A23104441 SUMMAR	SUCIDIAK	UC\$R	/ /	0 0			-	-			00	and contra
11	732A23144A2	VERSESSIM AR AN T	W.S.F.				0.0	-		-		20	K-Bushard
2.5	722823114143	VIIAY K	ICAR.	11	11		1		~	. `		190	D 1. Trat
					č	IN VIJAYA	DEM VIJATAKUMAR VE.	10.44				2	The Charles I
					ā	HAS NOT A UP	PBMC #AL						

DE.M.VIJAYAKUIMAH KE. Price PERICEAL 315377E COLLEGE OF ENGINEEDING. Tappenergien - 534 VA. Troper (DI. SASURIE APProved by AICTE, New Delvi Amilated to Anna University, Chennal



No	Reg No.	Name of the Student	Vaaul	11.03.2024	2024	12.03.2024	2024	13.03.2024	024	14.03.2024	-	15.03.2024		16.03.2024	24	No. of	
and the second	D		Branch	FN	AN	FN	AN	FN	AN	FN	NV	FN	AN	FN	NV	Hours	Signature of the
33.	33. 732423104044 VIKRAM.V	VIKRAM.V	I/CSE	-	-	0	6	-	•	-		-	-				Student
34.	732423104046 VISHAL T	VISHAL T	as.//	-	- •	3.	3		-	-						30	Vahu
35	19000100202	35 7324221040261 OGESWAR AND	TOOP.	~			~	-		d	1	~		1 1		33	Tes :-
36	02010122520	AV A STIL S	IVCSE	д	~	~	1	/	/	~	/	1	1	/		52	Jane 1
	C.HCANA 100001024201 .00	C.HCANA	IVEEE	1	/	~	/	1	1	1	~	~	1			36	AFN
.10	132423105002	1/2/2425105002 KAJAKETHINAM.M	I/EEE	1	/	/	~	~	1	1	1			-	-		Por Ja wh
.6C	200201224251	36. 732425105003 SAN I HOSHKUMAR.M	VEEE	7	~	0	1	/	1	-	~	~		~	-		(mul)
	10000102420102004	/52425105004 SHANMUGAM.A	VEEE	1	~	1	/	В	в	/	1	~	~	~		70%	1
	<pre>C00c01c24251 C00c01c24251</pre>	40. 752425105005 SIVAGANAPATHY.V	IVEEE	1	/:	в	~	1			/	~		~	~	2	
-4-	41. 732423105006 THAYOOB.S	THAYOOB.S	I/EEE	1	~	~	~		~	. `			0	+	- 0		Sunguapetical
42.	42. 732423106001 ABINAYA.S	ABINAYA.S	I/ECE	/	~	d	d	~			-	. \			2	5	thurber -
43.	732423106003	^{43.} 732423106003 AJAYKUMAR.S	I/ECE	1	~		~	-	R		-					1 1 0	Ant.
4.	732423106004	732423106004 AJMEERKAJA.S	VECE	~	д		-	•								0 1	
45.	732423106005 BALAJI.M	BALAJI.M	I/ECE	-	~	-	-	-							-	50	the C
46.	732423106006	46. 732423106006 BALAJOTHI.K	VECE		1	-	9										M.Balph
47.	47. 732423106007 DHARISH.N	DHARISH.N	VECE	/	R	. 8	1	• ~			-	• •					K.Balere.
48.	732423106008	^{48.} 732423106008 DHARSHAN.A	I/ECE	-	~											201	
49.	732423106010	⁴⁹ 732423106010 KAVIPRIYA.V	I/ECE	~	-	d								-	-	100	ANNA
50.	732423106011	50. 732423106011 KIRANSHANKAR. R	I/ECE		1	~				7		-				22	X PAL
51.	732423106012	51. 732423106012KOWSALYA.R	VECE	g		~	1	DÇM.	DIM. VOAVAKUMAR ME. Phy	NUN NO	ARME	- D Ha				0 K N 0	Ronald a
ane and								SASURI	SASURIE COLLEGE OF ENGINEERING.	GE OF EN	VGINEER Tirupur	NG.			-		
i.								Vijayaı	Ianyaram		- mala III	ŝ					

	O SASS		COLLE		SASURENIA College of engineering Aminated to Anna University, Cheman						i.				
		ATTENDANCE L	CEL	V-TS	IST-VALUE ADDED COURSE	ADD	ED C	OUR	SE						
52 [732423106013]MANIKANDAN.P	VECE	1 a	1	σ	~	~	1		~	~		2	30	1 Marts	-
of the local division of the local divisiono	I/ECE	1 1	-	~	~	-	~	d	~			-	23	Hard .	
54 732423106015 MONICKA.B	VECE	aa	1	-	~	~	~	-		-			NON	Howiths	- cc
And Distances in the	IVECE	1 1	>	~	~	g	R			~			30	Coll E	
56. 732423106019PUNITHA.D	VECE	11	1	B	1	~	~	~					24	2	J
-	VECE	1 1	/	~	1	~	~	~	q	~			27	Saunds .	F-
	VECE	1 1	1	~	>	~	-	~	-	1			34	10-0	6
59 732423106022SELVAANISHIYA.C	VECE	11	1	-	~	1	Р	1	~		~		23	And here	
	LECE	1 1	a	В	-	-	~	1	1	1			30	C.C.	-
	VECE	11	~	~	~	~	~	~	1				36	+ Cherd	
Sec	LECE	1 1	1	Р	~	~	~	-	~				24	N P N	1.
61. 732423106026THENNARASUR	IVECE	/ /	~	~	~	1		~	-	1			4 4	J. Level	4
64 732423106027THIRUVENGADAML	I/ECE		1		>	Q	1		1				N C	ł	-
65 732423114001MIRUTHULAN	IMECH	11	>	~	1	-	~		1		0	. 0		1	3
66. 732423114002MUKESH.C	IMECH	11	B	1	1	1	~	1	1	1	-		N Fr	Sector C	गर्न
	, IMECH	d d	~	-	1	1	1	1	1				20	V. (200	P
Antipalate a -	IMECH	1 1	~	1	d	б	1	~	>	~		~	30	V Pass	
and the second division of the second divisio	IMECH	1 7	B	2	1	1	1	~	1	2	-	-	24	000	-
70 732423114006SANJEEVKUMAR.M	IMECH	12	1	/	1	d	1	>	1	1	~	1	N K	Cont	F
71. 732423149001 AKILANDESHWARL S	I/CSE(CS)	11	1	1	1	~	1	5	7	~	1	-	NN		1
72. [732423149002 GUNASEELAN.R	I CSE(CS)	1 1	a	~	1	1	R	~	1	1		1	N K	21/10	5
5 73.732423149003KAVESHWARLT	LCSE(CS)	1 1	1	>	9	Dr.M.VIJAYAKUNAR	AVAK	NAR	R	t			30	Le la la	TA
74 732423149004NAGAARJUN.N	I CSE(CS)	1	11	~	0	SISURE COLLEGE OF ENGINEEXING	OULEGE	DN2 JO		1	1			- T-T	J
24						No. restauration	3- 1 75			-					1

	A CASE	SASURIE			OE OF O Anna	NOTE.	COLLEGE OF ENGINEERING Approved by AICTE, New Delvi Amiliated to Anna University, Chennal									
	STUDENTS ATTENDANCE L	TENI	ANC		T-V	IST-VALUE	ADDED		COURSE	SE			Ì		-	
732423149006NAVEENRAJ.D	I/CSE(CS)	8	~			1		~			1		-	73	A number	
76. 732423149008 PARASURAM.N	I/CSE(CS)	~	~	~	~		-	~			~			36	Pittungo	
	I/CSE(CS)	1	1	a	~	~	~	1	1	1	~			74	too	
	I/CSE(CS)	2	~	~	~	a	B	7				~		NN	And	
79. 732423149011 SOWMIKA.D	I/CSE(CS)	~	g	~	~		~	1						7 2	A.	
	I/CSE(CS)	/	1	~	~	~	~		~					76	A A	
	I/CSE(CS)	1	1	~	1	1	~	~		~	2	B		34	lever	$\mathbf{+}$
	I/CSE(CS)	-	~	-	~	~	~	1	~		-			7.6		1-
83. [732423205001 ABINESH.A	TIV	~	~	8	~	~	~	~	~	-	~			4 4	Neute	
	INT	Р	a	~	1	~		1				1		40		
85. 732423205003 ASHWIN.S	INT	1	1	~	~	0	~							7 H		
86. 732423205004 DANUSH.S	MT	~		q	в	1		. \						201	A	-1-
87. 732423205006 DHARANITHARAN.S	MT	1					~		0	, a						2
88. 732423205007 DHARANIVEL.R	Ш	-	B	~			•	~	_					200	or the c	-11-
	ИТ	1	~	~			<i>a</i>				21			000	Tou l	
	ITT	-	~	~	~	~		-						202	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-
Autor constitutes a	MT	~	1	٩	~			~	-			_		NN		
92. 732423205011 KANIKA.S	INT	~	~	~	-								-	210	Cox -	
	Ш	~	~	~	~		~	-	. 0				-		Harry	
(Included)	INT	5	1	~	d	Ø			2	-				33	S is	4-
A COLLEGE AND	Ш	1	~	1	~			2							×,	
96. 732423205015NANDHINI.P	Ш	~	~		a	B	DI.M. VIJAYAKUMAH ME	A A VUN	HAN					00	2	
97. 732423205016NAVANEETHAKRISHNAN.	ТП	۵	۵	~		000	COLLEGE COLLEGE CF	THE CL	CHONEE NO			-		002		-
							and severally		including St	A.			-	20	Marine	

	O A A A A A A A A A A A A A A A A A A A	SASURIE RITUTIONE	•		ASC ROLLE New CECE OF ENCINE do Anna University.		AS CREATERING FOR OF ENGINEERING over by AICTE, New Delhi d to Anna University, Chenna							-	
	STUDENTS A	ATTENDANCE	ONAC		UST-VALUE	ALU V	E AD	ADDED	COURSE	SE					
	I/II	2	~		в	~	~		~		~	1	1	55	he my and
99. 732423205019 PRAVEENKUMAR.B	TT	2	~	~	1		б	-		-				52	
100732423205020 SANTHIYA.A	Ш	-	-	~	-		-							76	and a
101 732423205021 E HARINI.K	MT	-	~	-	~	~			-	. ~		-		40	4
102732423205022 SURENDAR.M	INT	R	٩	~	~	~		~		1	-	~	-	30	Millert
103732423205023 VIGNESH.S	IVIT	-	-	1	-	1	~	~		-				72	Taking .
104732423205024 VINODHINI.M	INT	~	~	~	~	~	~	~		. ~	~	. 0		, 6 N	AND
105732423243002 ARSHIYASANA.M	VAIDS	7	1	-	Q	d	-	~	-	1		5~	-	14	A. hind-
106732423243003 DHARSANKUMAR.S	VAIDS	1	1	1	1	1	-		• •			. 0	. 0	707	and P
107732423243004DEEPIKA.S	VAIDS	~ ~	~	a	d	~	1					5	3~	NON	
108 732423243005 GAYATHRLS	VAIDS	~	~	1	~	1	-	g	~					2 4	C. Landton
109732423243006 GOWTHAM.V	VAIDS	1	~	~	-		d	~	-		1			74	2. 1. 1. 1.
110732423243007HABEEBRAHMAN.J	I/AIDS	~	~	1	~	~	1	1						44	J. 1497
111 732423243009 HITHESHHARWIN.B	VAIDS	~	•	~	~	~		d	~	1		~		33	a la
112732423243010 IMMANUVEL.H	I/AIDS	1	1	1	1	1	-	1	~		~	α		404	A AL
113732423243012JISHNU.R	VAIDS	/	1	~	1	1								26	Aut and
114732423243013 KAVIN.S	VAIDS	/	~	~	~	~	d	~	~	~	1			24	dittart of
115732423243014 KAVIYA.S	I/AIDS	1	1	~	1	1	~	1	1					36	L. Y
116732423243015 LATHIKA.S.K	VAIDS	1	1	>	~	α	2	1	1	1	1	1	1	22	- And
117732423243016 MADHUMITHA.N	I/AIDS	1	~	1	~	1	~		1	a	1	1	1	5 4	
11%732423243017MONIKA.M	IVAIDS	~	1	1	1	~	Dr MVII	A KA	YAKUMAR ME. Ph.B.	X	N	~	d		and the se
119732423243018 PRADEEP.S	I/AIDS	~	~	1	~		O Lo	PPINC	A CONTERE OF ENGINE RING	PERING	>	~	1	30	S. Brokery
120732423243019 PRIY ADHARSHINLP	I/AIDS	1	1	1			hemetali	a myte	Vijeramangajam . 638 056 / Irusal (D1) -	the IDN.	5	~	1	30	Dr. yedhardin

SASURIENO COLLEGE OF ENGINEERING

	STUDENTS ALTENDANCE	L'ERN	NV	L M	V-TSL	ALU	T-VALUE ADDED COURSI	050	COL	RSE					
0	SCHVA	1	1	1	~	1	~	1	~	~	5	~	<	14 10	
WHZHWHIMAS 1202420242222	SOIVA	6	-	~	~	1	~	1	-	~	<	~	1	N.N.	3
12373242022SOBIKAR	VAIDS	1	~	-	~	-	~		1				1	56	"Column
124732423243024 LAMIZHARASLS	VAIDS	~	1	~	1	~	~	-	1	1	2	~	~	10	Taul a
128732423243025/VIIAYKUMAR.S	SOIVA .	8	e	-	1	~	~	1	-	2	-	1	1	00	e virent
					Comparison and a	- Contraction		The summary set		-	No. No. Longo	Non-	and the watches	「「「「」」」」」「「「「」」」」」	(nor

M. Q. A.

H. C.Y.

Dr.M.VIJAYAKUMAR ME., Ph.D., PRINCIPAL SASURE COLLEGE OF ENGINEERING. Vijayamangatam - 628 055, Tirunur (Dit

Computer Science Engineering in association with IQAC of Sasurie College of Engineering and C CUBE Technologies from Service Management and Business value: Strategies for Optimizing Service Delivery" Organized by the Department of This is to Certify that Ms.NIVETHA S, IV/CSE has successfully completed the Value Added Course titled "IT Principal Dr.M.VIJAYAKUMAR ME., Ph.D., PRINCIPAL DEPARTMENT OF SCIENCE AND HUMANITIES SASURIE COLLEGE OF ENGINEERING, ijevemennelem 638.056 Timme (DN COLLEGE OF ENGINEERING **Certificate of Participation** Head of the Department iS SASURIE COLLE 12.02.2024 to 16.02.2024 (5 days). Co-ordinator

Testing Of Bio Degradable Plastics In Chemistry" Organized by the Department of Science & Humanities in association with This is to Certify that Ms.Monika.M, I/AIDS has successfully completed the Value Added Course titled "Design & Principal IQAC of Sasurie College of Engineering and ETS Academy from 11.03.2024 to 16.03.2024 (6 days). DEPARTMENT OF SCIENCE AND HUMANITIES Dr.M.VIJAYAKUMAR ME., Ph.D., PRINCIPAL SASURE COLLEGE OF ENGINEERING SASURE COLLEGE OF ENOIRERANS Vijayamangalam - 638 (55. Tm-'117 (Dt). **Certificate of Participation** Head of the Department L. B. Co-ordinator M ite

DEPARTMENT OF SCIENCE AND INVALUES.	Certify that Mr.Shammugam. A, 17000 has successfully completed the Value Added Course titled "Design	& Teating Of Bio Degradable Plastics In Chemistry" Organized by the Department of Science & Humanities in association with IQAC of Sasurie College of Engineering and ETS Academy from 11.03.2024 to 16.03.2024 (6 days).	Itend of the Department Dr.M.VIJAYAKUMAR Me., PA.D.	Vijayamangalam - 638 056. Tirupur (Dt)
WINATAG	Ce This is to Certify that Mr.Shanmuge	& Testing Of Bio Degradable Plastics In Cl with IQAC of Sasurie College of Engineering	Co-ordinator	

ļ

M. R. Head of the Department of Science & Humanities in association with DATA of Sasurie College of Engineering and ETS Academy from 11.03.2024 to 16.03.2024 (6 days). M. R. Head of the Department of Science & Humanities in association with DAT of Sasurie College of Engineering and ETS Academy from 11.03.2024 to 16.03.2024 (6 days). M. R. Head of the Department M. M. Madara M. M. Madara M. M. M. Matara M.

		Added Course titled "Design & & Humanities in association with	6 days).	Principal	ERING. W (Dt)
SASURE SASURE COLLEGE OF ENGINEERING VIANANDARIAN TYUDAU	DEPARTMENT OF SCIENCE AND HUMANITIES Certificate of Participation	This is to Certify that Mr.Balaji. M, I/ECE has successfully completed the Value Added Course titled "Design & Testing Of Bio Degradable Plastics In Chemistry" Organized by the Department of Science & Humanities in association with	IQAC of Sasurie College of Engineering and ETS Academy from 11.03.2024 to 16.03.2024 (6 days).	M. Co-ordinator Head of the Department	Dr.M.VLJAYAKUMAR. ve. Ph.D. PRINCIPAL SASURIE COLLEGE OF ENGINEERING. Viryamangalam : 633 655. Thereve (Ch.

		he Value Added Course titled "Design	6.03.2024 (6 days).	Principal	40. 10.
ARVIEW OF SCIENCE AND HUMANITIES	Certificate of Participation	This is to Certify that Ms.Pragalya. P. I/CSE(CS) has successfully completed the Value Added Course titled "Design ig Of Bio Degradable Plastics In Chemistry" Organized by the Demartment of Science & timestation.	C)	H. EX Ifead of the Department	Dr.M.VIJAYAKUMAR ME., Ph D., PRUNCIPAL SASURIE COLLEGE OF ENGINEERING. Virvamangalam - 638 056. Trupur (DD.
_		This is to Certify that Ms.Prag & Testing Of Bio Degradable Plastics	with IQAC of Sasurie College of Er	M. D	

and the

The state of the state

and the second second

SASUNC COLESCE TERMENDIA

SASURIE COLLEGE OF ENGINEERING
DEPARTMENT OF SCIENCE AND HUMANITIES
Certificate of Participation
This is to Certify that Mr.Sujan. A, I/CIVIL has successfully completed the Value Added Course titled "Design &
Testing Of Bio Degradable Plastics In Chemistry" Organized by the Department of Science & Humanities in association with
IQAC of Sasurie College of Engineering and ETS Academy from 11.03.2024 to 16.03.2024 (6 days).
M.R.A. Co-ordinator Head of the Department
Dr.M.VIJAYAKUMAR ME., Ph.D., PRINCIPAL SASURIE COLLEGE OF ENGINEERING.



DEPARTMENT OF SCIENCE & HUMANITIES

TEST OUESTION PAPER-VALUE ADDEDCOURSE

"Design & Testing of Bio Degradable Plastics in Chemistry"

From 11.03.2024 to 16.03.2024(6days) Duration:36 Hours Academic Year : 2023 -2024 /EVEN

Date of Test :16.03.2024

MULTIPLE CHOICE OUESTIONS 25X1=25 Marks)

Name of the Student:

Year/ Sem:

AU Register Number:

Answer all the questions:

1. What is the primary characteristic of biodegradable plastics?

- a) They break down into non-toxic components when exposed to the environment.
- b) They do not break down in nature.
- c) They are more durable than conventional plastics.
- d) They are always made from petroleum-based products.

2. Which of the following is a commonly used raw material in the production of biodegradable plastics?

- a) Polyethylene
- b) Polystyrene
- c) Starch
- d) Nylon

3. Which of the following is a key advantage of biodegradable plastics over traditional plastics?

- a) Higher cost of production
- b) Longer degradation time
- c) Reduced environmental pollution
- d) Better strength and durability

4. Which of the following methods is commonly used to test the biodegradability of plastics?

- a) Thermal decomposition analysis
- b) Soil burial test
- c) Chemical resistance test
- d) Tensile strength test

5. Which of the following is a biopolymer commonly used in biodegradable plastics?

- a) Polypropylene
- b) Polyvinył chloride (PVC)
- c) Polylactic acid (PLA)
- d) Polyethylene terephthalate (PET)

Dr.M.VIJAYAKUMAR ME., Ph.D., ASURIE COLLEGE OF EMPINEERING.



6. Which factor does NOT affect the degradation rate of biodegradable plastics?

- a) Environmental temperature
- b) Presence of microorganisms
- c) Plastic color
- d) Humidity

7. Which of the following is a challenge in the use of biodegradable plastics?

- a) They degrade too quickly in most environments.
- b) They require significant amounts of energy to produce.
- c) They do not degrade in the presence of moisture.
- d) They can be more expensive than petroleum-based plastics.

8. What is the role of plasticizers in biodegradable plastics?

- (a) To increase the degradation rate of plastics
 - b) To reduce the rigidity and increase flexibility
 - c) To make the plastic more resistant to heat
 - d) To enhance the plastic's ability to resist UV light

9. Which of the following biodegradable plastics is derived from corn starch?

- a) Polyhydroxyalkanoates (PHA)
- b) Polylactic acid (PLA)
- c) Polycaprolactone (PCL)
- d) Polyvinyl alcohol (PVA)

10. Which of the following is a disadvantage of biodegradable plastics?

- a) High degradation rate
- b) Limited feedstock availability
- c) High toxicity during degradation
- d) Non-recyclable nature

11. The biodegradation of plastics primarily depends on which factor?

- () a) Polymer size
 - b) Environmental conditions
 - c) Thickness of the plastic
 - d) Temperature of the plastic during production

12. Which of the following is true regarding oxo-biodegradable plastics?

- a) They degrade only in the presence of sunlight.
- b) They degrade more slowly than regular plastics.
- c) They contain additives that promote oxidation and degradation.
- d) They do not degrade at all.

13. Which of the following can be used to test the mechanical properties of biodegradable plastics?

- a) Differential Scanning Calorimetry (DSC)
- b) Tensile strength test
- c) UV-VIS spectroscopy
- d) X-ray diffraction (XRD)

Dr.M.VIJAYAKUMAR ME., Ph.D., PRINCIF. RIE COLLEGE OF ENGINEERING. fijayamangalam - 638 056, Tirupur (Dt).



14. Which of the following is the most commonly used method for producing biodegradable plastics like PLA?

- a) Condensation polymerization
- b) Addition polymerization
- c) Solution polymerization
- d) Ring-opening polymerization

15. Which of the following biodegradable plastics is commonly used for food packaging?

- a) Polyvinyl chloride (PVC)
- b) Polylactic acid (PLA)
- c) Polyethylene (PE)
- d) Polycarbonate (PC)

6. Which of the following properties is often tested to evaluate the environmental impact of biodegradable plastics?

- a) Heat distortion temperature
- b) Toxicity during degradation
- c) Optical clarity
- d) Molecular weight distribution

17. Which of the following best describes the process of biodegradation?

- a) The breakdown of plastics by UV radiation
- b) The chemical degradation of plastics in a landfill
- c) The breakdown of plastics into harmless byproducts through the action of microorganisms
- d) The physical breaking down of plastics through mechanical forces

18. Which of the following is a primary environmental concern with biodegradable plastics?

- a) They degrade too rapidly and contaminate the environment.
- b) They create more waste than conventional plastics.
- c) They may degrade into microplastics that pollute ecosystems.
- d) They are not renewable and rely on fossil fuels.

19. Which type of microorganism is commonly involved in the biodegradation of plastics?

- a) Viruses
- b) Fungi
- c) Bacteria
- d) Algae

20. What is the main advantage of polyhydroxyalkanoates (PHA) as biodegradable plastics?

- a) They are cheaper to produce than PLA.
- b) They are biodegradable in marine environments.
- c) They are non-toxic and not biodegradable.
- d) They are stronger than polyethylene.

21. Which of the following is a method used to speed up the degradation of biodegradable plastics?

- a) Increasing the molecular weight
- b) Adding bio-based plasticizers
- c) Introducing starch or cellulose-based fillers
- d) Increasing the thickness of the plastic





22. Which of the following is NOT a type of biodegradable plastic?

a) Polyvinyl alcohol (PVA)

b) Polylactic acid (PLA)

- c) Polyethylene terephthalate (PET)
- d) Polyhydroxyalkanoates (PHA)

23. What role do enzymes play in the biodegradation of biodegradable plastics?

- a) They prevent the degradation process.
- b) They catalyze the breakdown of plastic polymers into smaller molecules.
- c) They increase the strength of the plastic.
- d) They are used to make the plastic more flexible.

24. What is the main limitation of current biodegradable plastics in terms of commercial applications?

- a) High energy consumption during manufacturing
- b) Limited biodegradability under typical environmental conditions
- c) Poor mechanical properties compared to conventional plastics
- d) Lack of suitable raw materials

25. Which of the following is a key factor in determining the compostability of biodegradable plastics?

- a) The molecular weight of the polymer
- b) The presence of heavy metals in the plastic
- c) The temperature and moisture content of the composting environment
- d) The color of the plastic





DEPARTMENT OF SCIENCE & HUMANITIES

TEST OUESTION ANSWER KEY-VALUE ADDED COURSE

"Design & Tosting Of Bio Degradable Plastics in Chemistry"

From 11.03.2024 to 16.03.2024(6days)

Duration: 36 Hours

Academic Year : 2023 - 2024 / EVEN

Date of Test :16.03.2024

J	а	6	с	μ	ь	16	ь	21	b
2	с	7	d	12	с	17	с	22	с
3	с	8	b	13	ь	18	с	23	b
4	b	9	b	14	d	19	с	24	с
5	с	10	Ь	15	ь	20	ь	25	с

VAC Coordinator

Dr.M.VIJAYAKUMAR ME., Ph.D., PRINCIPAL SASURIE COLLEGE OF ENGINEERING. Vijayamangalam - 638 055, Tirupur (Di)

CSE



DEPARTMENT OF SCIENCE & HUMANITIES

TEST OUESTION PAPER-VALUE ADDEDCOURSE

"Design & Testing of Bio Degradable Plastics in Chemistry"

From 11.03.2024 to 16.03.2024(6days)

Duration:36 Hours

Academic Year : 2023 -2024 /EVEN

Date of Test :16.03.2024

MULTIPLE CHOICE OUESTIONS 25X1=25 Marks)

Name of the Student:

Year/ Sem:

AU Register Number:

Answer all the questions:

1. What is the primary characteristic of biodegradable plastics?

They break down into non-toxic components when exposed to the environment.

- b) They do not break down in nature.
- c) They are more durable than conventional plastics.
- d) They are always made from petroleum-based products.

2. Which of the following is a commonly used raw material in the production of biodegradable plastics? a) Polyethylene

- b) Polystyrene
- c) Starch
- d) Nylon

X

3. Which of the following is a key advantage of biodegradable plastics over traditional plastics?

- a) Higher cost of production
- b) Longer degradation time
- AlReduced environmental pollution
- d) Better strength and durability

4. Which of the following methods is commonly used to test the biodegradability of plastics? a) Thermal decomposition analysis

- -b) Soil burial test
- c) Chemical resistance test
- d) Tensile strength test

5. Which of the following is a biopolymer commonly used in biodegradable plastics?

- a) Polypropylene
- b) Polyvinyl chloride (PVC)

Polylactic acid (PLA)

d) Polyethylene terephthalate (PET)

AYAKUMAR ME., Ph.D., Dr.M.VIJ PRINCIPAL ISURIE COLLEGE CF ENGINEERING. Vijayamangalam - 538 056, Tirupur (Dt).





6. Which factor does NOT affect the degradation rate of biodegradable plastics?

a) Environmental temperature

b) Presence of microorganisms

-APlastic color

d) Humidity

7. Which of the following is a challenge in the use of biodegradable plastics?

- a) They degrade too quickly in most environments.
- b) They require significant amounts of energy to produce.
- c) They do not degrade in the presence of moisture.

ATThey can be more expensive than petroleum-based plastics.

8. What is the role of plasticizers in biodegradable plastics?

a) To increase the degradation rate of plastics

- -bATo reduce the rigidity and increase flexibility
- c) To make the plastic more resistant to heat
- d) To enhance the plastic's ability to resist UV light

9. Which of the following biodegradable plastics is derived from corn starch?

- a) Polyhydroxyalkanoates (PHA)
- b) Polylactic acid (PLA)
- c) Polycaprolactone (PCL)
- Al Polyvinyl alcohol (PVA)

10. Which of the following is a disadvantage of biodegradable plastics?

- a) High degradation rate
- -bALimited feedstock availability
- c) High toxicity during degradation
- d) Non-recyclable nature

1. The biodegradation of plastics primarily depends on which factor?

- a) Polymer size
- Environmental conditions
- c) Thickness of the plastic
- d) Temperature of the plastic during production

12. Which of the following is true regarding oxo-biodegradable plastics?

- a) They degrade only in the presence of sunlight.
- 6) They degrade more slowly than regular plastics.
- c) They contain additives that promote oxidation and degradation.
- d) They do not degrade at all.

13. Which of the following can be used to test the mechanical properties of biodegradable plastics?

- a) Differential Scanning Calorimetry (DSC)
- > Tensile strength test
- c) UV-VIS spectroscopy
- d) X-ray diffraction (XRD)

Dr.M.VIJAYAKUMAR ME., Ph.D., PRINCIPAL SASURIE COLLEGE OF ENGINEERING, Vijayamangalam - 538 055, Tirupur (Dt).



- 14. Which of the following is the most commonly used method for producing biodegradable plastics like PLA?
- a) Condensation polymerization
- b) Addition polymerization
- c) Solution polymerization
- Ring-opening polymerization

15. Which of the following biodegradable plastics is commonly used for food packaging?

a) Polyvinyl chloride (PVC)

6) Polylactic acid (PLA)

- c) Polyethylene (PE)
- d) Polycarbonate (PC)

16. Which of the following properties is often tested to evaluate the environmental impact of biodegradable plastics?

a) Heat distortion température

billoxicity during degradation

c) Optical clarity

d) Molecular weight distribution

17. Which of the following best describes the process of biodegradation?

a) The breakdown of plastics by UV radiation

b) The chemical degradation of plastics in a landfill

The breakdown of plastics into harmless byproducts through the action of microorganisms

d) The physical breaking down of plastics through mechanical forces

18. Which of the following is a primary environmental concern with biodegradable plastics?

- a) They degrade too rapidly and contaminate the environment.
- b) They create more waste than conventional plastics.

c) They may degrade into microplastics that pollute ecosystems.

They are not renewable and rely on fossil fuels.

19. Which type of microorganism is commonly involved in the biodegradation of plastics?

- a) Viruses
- b) Fungi

Bacteria

d) Algae



d

20. What is the main advantage of polyhydroxyalkanoates (PHA) as biodegradable plastics?

a) They are cheaper to produce than PLA.

b) They are biodegradable in marine environments.

c) They are non-toxic and not biodegradable.

#They are stronger than polyethylene.

21. Which of the following is a method used to speed up the degradation of biodegradable plastics?

a) Increasing the molecular weight

EnAdding bio-based plasticizers

- c) Introducing starch or cellulose-based fillers
- d) Increasing the thickness of the plastic

KUMAR WE, Ph.D. E OF ENGINEERING. iavamangalam - 528 MA, Tirupur IGO,



d

22. Which of the following is NOT a type of biodegradable plastic?

- a) Polyvinyl alcohol (PVA)
- b) Polylactic acid (PLA)
- e) Polyethylene terephthalate (PET)
- d) Polyhydroxyalkanoates (PHA)

23. What role do enzymes play in the biodegradation of biodegradable plastics?

- a) They prevent the degradation process.
- b) They catalyze the breakdown of plastic polymers into smaller molecules.
- c) They increase the strength of the plastic.
- d) They are used to make the plastic more flexible.

24. What is the main limitation of current biodegradable plastics in terms of commercial applications?

DY AICTE. N

- a) High energy consumption during manufacturing
- b) Limited biodegradability under typical environmental conditions
- Poor mechanical properties compared to conventional plastics
- d) Lack of suitable raw materials

25. Which of the following is a key factor in determining the compostability of biodegradable plastics?

- a) The molecular weight of the polymer
- b) The presence of heavy metals in the plastic
- c) The temperature and moisture content of the composting environment
- d) The color of the plastic

UMAR ME., Ph.D., PRINCIPAL JRIE COLLEGE OF ENGINEERING. Vijayamangalam - 638 056, Tirupur (Dt).





Delhi

Q,		ī
		Chennel
	My	U Y
10		
W)	A	
		to >
	() į	N.
	1	
-	Ne profe	15

DEPARTMENT OF SCIENCE & HUMANITIES

ASSESMENT SHEET-VALUE ADDED COURSE

"Design & Testing of Bio Degradable Plastics in Chemistry"

From 11.03.2024 to 16.03.2024(6days)

Duration:36 Hours

Sind Reg No. Name of the Student Vert Attendated OVE-NICO TEST OVE-NICO TEST OVE-NICO TEST OVE-NICO 1 732423103001 SUIANIA UCIVIL 36 1000 18 722 80% 100 2 732423104003 BIINAYA.A UCIVIL 36 100 18 72 86% 100 3 732423104003 BIINAYA.A UCIVIL 36 100 18 72 76% 75% 86% 100 18 72 76% 76% 76% 76% 76% 76% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	S.No								
Reg No. Name of the Student Variation of the Student Variation of the Student No. of Hours Attendance Score No. of Correct MCQ 732423103001 SUJANA 1/CIVIL 36 100 18 72 732423103001 SUJANA 1/CIVIL 36 100 18 72 732423104002 ABINAYAA L/CSE 33 90 19 72 732423104002 ABINAYAA L/CSE 33 90 19 72 732423104003 ARULJOTHLP L/CSE 33 90 19 76 732423104003 ARULATA L/CSE 33 90 19 76 732423104003 ARULATILP L/CSE 30 80 19 76 732423104013 BALAJIM L/CSE 30 80 19 76 732423104013 BALANAM L/CSE 30 80 19 76 732423104013 BALANAM L/CSE 30 80 19 <td< th=""><th>S.No</th><th></th><th></th><th>:</th><th>Attenda</th><th>nce Details</th><th>VAC-MC</th><th>Q TEST</th><th>OVERALL</th></td<>	S.No			:	Attenda	nce Details	VAC-MC	Q TEST	OVERALL
732423103001 SUJANIA ICIVIL 36 100 18 72 732423104002 ABINAYAA ICSE 33 90 19 76 732423104002 ABINAYAA ICSE 33 90 19 75 732423104003 ABINAYAA ICSE 33 90 19 76 73243104003 ARULJOTHLP ICSE 33 90 19 76 73243104008 ASVIKAS ICSE 30 90 19 76 73243104018 ASULMANIAMP ICSE 33 90 19 76 73243104019 BALAILM ICSE 33 90 19 76 73243104013 ELAVARASANR	~	Reg No.	Name of the Student	Year/ Branch	No. of Hours Attended	Attendance Score (100)(A)	No.of Correct Answers	MCQ Score(100) (B)	50% of B) +50% of B)
732423104002 ABINAYA.A UCSE 33 90 19 76 732423104003 ABINAYA.S UCSE 30 80 18 72 732423104003 ABINAYA.S UCSE 30 80 19 76 732423104003 ARULJOTHL.P UCSE 30 80 20 80 50 732423104003 BALAILM UCSE 30 90 19 76 732423104013 BALAILM UCSE 30 90 19 76 732423104013 BALAILM UCSE 33 90 19 76 732423104013 BALAILM UCSE 33 90 19 76 723423104013 ELAVARASANR UCSE 36 100 19 76 772423104013 ELAVARASANR UCSE 30 90 19 76 772423104013 ELAVARASANR UCSE 30 90 19 76 772423104013 ELAVARASANR UCSE 30 90 19 76 7724231040101 <	•	732423103001	SUJAN.A	I/CIVIL	36	100	18	17	36
732423104003 ABINAYA.S LCSE * 30 80 18 72 732423104004 ARULJOTHLP LCSE 33 90 19 76 732423104008 ASVIKA.S LCSE 30 80 20 80 76 732423104009 BALAILM LCSE 30 80 20 80 76 732423104019 BALANIAM LCSE 33 90 19 76 732423104013 ELAVARASAN LCSE 33 90 19 76 732423104013 ELAVARASAN LCSE 33 90 19 76 732423104015 GUNASURYA.S LCSE 33 90 19 76 732423104015 GUNASURYA.S LCSE 30 80 19 76 732423104015 GUNASURYA.S LCSE 30 90 19 76 732423104016 IARISIIWA.V.S LCSE 30 80 19 76 732423104015 GUNASURYA.S LCSE 30 90 19 76 <t< td=""><td></td><td>732423104002</td><td>ABINAYA.A</td><td>I/CSE</td><td>33</td><td>06</td><td>01</td><td>76</td><td>00</td></t<>		732423104002	ABINAYA.A	I/CSE	33	06	01	76	00
732423104004 ARULJOTHLP LCSE 33 90 19 76 732423104008 SSVIKA.S LCSE 30 80 20 80 732423104009 BALAJLM LCSE 30 80 20 80 76 732423104010 BALASUBRAMANIAM.P LCSE 30 80 19 76 732423104013 ELAVARSANIR LCSE 33 90 19 76 732423104013 ELAVARSANIR LCSE 33 90 19 76 732423104015 GUULPRASATILP LCSE 33 90 19 76 732423104015 GUULPRASATILP LCSE 33 90 19 76 732423104015 GUNASURYA.S LCSE 30 80 90 19 76 732423104015 GUNASURYA.S LCSE 30 80 100 19 76 732423104016 IAXISIIWA.V.S LCSE 30 80 90 19 76 732423104015 OUNASURYA.S LCSE 30 80 1	3.	732423104003	ABINAYA.S	I/CSE	, 30	80	18	, F	8 7
732423104008 ASVIKA.S LCSE 30 80 20 80 80 732423104019 BALAJI.M LCSE 30 80 20 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 80 76 80 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 76 <t< td=""><td>4.</td><td>732423104004</td><td></td><td>I/CSE</td><td>33</td><td>06</td><td>01</td><td>. *</td><td>01</td></t<>	4.	732423104004		I/CSE	33	06	01	. *	01
732423104009 BALAILM LCSE 30 80 20 80 732423104010 BALASUBRAMANIAM.P LCSE 33 90 19 76 732423104012 DIVYA.M LCSE 33 90 19 76 732423104013 ELAVARASAN.R LCSE 33 90 19 76 732423104013 ELAVARASAN.R LCSE 33 90 19 76 732423104013 ELAVARASAN.R LCSE 33 90 19 76 732423104015 GUNASURYA.S LCSE 30 80 21 84 732423104016 IANERINA.V.S LCSE 30 80 21 84 732423104017 IARISIWA.V.S LCSE 30 80 75 75 7 732423104017 IARISIWA.N.S LCSE 33 90 76 75 7 732423104017 IARISIWA.N.S LCSE 33 90 76 75 7 732423104017 IARISIWA.N.S. LCSE 31 90 76 75	5.	732423104008	ASVIKA.S	I/CSE	30	80	06	08	60
732423104010 BALASUBRAMANIAM.P LCSE 33 90 19 76 732423104012 DIVYA.M LCSE 33 90 19 76 732423104013 ELAVARASAN.R LCSE 33 90 19 76 732423104013 ELAVARASAN.R LCSE 33 90 19 76 732423104014 GOKULPRASATILP LCSE 33 90 19 76 732423104015 GUNASURYA.S LCSE 33 90 19 76 732423104015 HARISHWA.V.S LCSE 33 90 19 76 732423104015 HARISHWA.V.S LCSE 33 90 70 72 772423104015 HARISHWA.V.S LCSE 33 90 76 75 7724231040	6.			I/CSE	30	80	0.	00	02
732423104012 DIVYAM LCSE 33 90 19 76 732423104013 ELAVARASAN.R LCSE 36 100 19 76 732423104013 ELAVARASAN.R LCSE 33 90 19 76 732423104015 GUNASURYA.S LCSE 33 90 19 76 732423104016 IARISIIWA.V.S LCSE 30 80 21 84 732423104016 IARISIIWA.V.S LCSE 33 90 10 75 732423104017 IIARISIIWA.V.S LCSE 33 90 70 18 72 7 732423104017 IIARISIIWA.V.S LCSE 33 90 70 18 72 1 732423104017 IIARISIIWA.N.S LCSE 33 90 76 76 1 72423104017 IIARISIIWA.N.S LCSE 33 90 76 76 1 72423104017 IIARISIIWA.N.S LCSE 36 76 72 84 1 72423104017 IIARISIIWA.N.S	7.	732423104010	BALASUBRAMANIAM.P	I/CSE	33	06	07	00	80
732423104013 ELAVARASAN.R LCSE 36 100 19 76 732423104014 GOKULPRASATH.P LCSE 33 90 19 76 732423104015 GUNASURYA.S LCSE 30 80 21 84 732423104016 HARISHWA.V.S LCSE 30 80 21 84 732423104016 HARISHWA.V.S LCSE 33 90 18 72 732423104019 IARISHWA.V.S LCSE 33 90 18 72 732423104019 JOTHIPRIYA.J.B LCSE 33 90 19 76 732423104019 JOTHIPRIYA.B LCSE 33 90 19 76 732423104019 JOTHIPRIYA.B LCSE 33 30 MW* 21 84 732423104019 JOTHIPRIYA.B LCSE 30 MW* 21 84 732423104019 JOTHIPRIYA.B LCSE 30 MW* 21 84 732423104019 JOTHIPRIYA.B LCSE 30 MW* 21 84 </td <td>8.</td> <td>732423104012</td> <td>DIVYA.M</td> <td>I/CSE</td> <td>33</td> <td>00</td> <td>10</td> <td>0</td> <td>2</td>	8.	732423104012	DIVYA.M	I/CSE	33	00	10	0	2
722423104014 GOKULPRASATH.P LCSE 33 90 19 76 712423104015 GUNASURYA.S LCSE 30 80 21 84 712423104016 HARISHWA.V.S LCSE 36 100 18 72 732423104017 HARISHWA.V.S LCSE 33 90 19 76 732423104017 HARISHWA.V.S LCSE 33 90 19 76 732423104019 JOTHIPRIYA.B LCSE 33 90 19 76 732423104019 JOTHIPRIYA.B LCSE 33 90 19 76 732423104019 JOTHIPRIYA.B LCSE 30 MV 21 84 732423104019 JOTHIPRIYA.B LCSE 30 MV 76 77 732423104	.6	732423104013	ELAVARASAN.R	I/CSE	yt.	100		ę ,	83
732423104015 GUNASURYA.S LCSE 30 80 19 76 732423104016 IIARISIIWA.V.S LCSE 36 100 18 72 732423104017 IIARISIIWARAN.V.S LCSE 33 90 18 72 732423104019 IOTIIIIPRIYA.IB LCSE 33 90 19 76 732423104019 IOTIIIIPRIYA.IB LCSE 33 90 19 76 732423104019 IOTIIIIPRIYA.IB LCSE 30 MUNAYAKUMAR.ne.ne.ne. 76 732423104019 IOTIIIIPRIYA.IB LCSE 30 MUNAYAKUMAR.ne.ne.ne. 76	10			VCSE		100	2	e	88
732423104016 HARISHWA.V.S LCSE 36 100 15 72 732423104017 HARISHWA.V.S LCSE 33 90 18 72 732423104019 JOTHIPRIYA.B LCSE 33 90 19 76 732423104019 JOTHIPRIYA.B LCSE 33 90 19 76 732423104019 JOTHIPRIYA.B LCSE 30 MM 21 84 CININGRAM.V.S	=	SIUFUIECECEL	GUNASTIBVA S	1000	00	0%	61	20	\$3
732423104016 IARISIIWA.V.S LCSE 36 100 18 72 732423104019 JOTIIIPRIYA.B LCSE 33 90 19 76 732423104019 JOTIIIPRIYA.B LCSE 30 MW 21 84 732423104019 JOTIIIPRIYA.B LCSE 30 MW 21 84 732423104019 JOTIIIPRIYA.B LCSE 30 MW 21 84		CI0401034301	C.V.I.V.C.V.I.V.C	ILOB	30	80	17	84	3
732423104017 IIARISIIWARAN.V.S 1/CSE 33 00 10 10 76 732423104019 JOTHIPRIYA.B 1/CSE 30 NUJAYAKUMAR ME, Ph.D., PRINCIPAL 21 84 732423104019 JOTHIPRIYA.B 1/CSE 30 NUJAYAKUMAR ME, Ph.D., PRINCIPAL 84	2	732423104016	HARISHWA.V.S	LCSE	36	100	18	2	3
732423104019 JOTHIPRIYA.B 1CSE 30 NW 21 84 Dr.M.VIJAYAKUMAR we. Ph.D. SASURIE COLLEGE CF EVGNEERING	13		HARISHWARAN.V.S	I/CSE	33	06	10	1	8 5
6	Ξ	732423104019	JOTHPRIYA.B	UCSE	30	and			2 0
SASURIE COLLEGE CF ENGINEERING					Ō	M.VIJAYAKUM	ARME. PN.D.		*
					S.	SURIE COLLEGE OF F	VGNEERING		

0 SASURIE COLLEGE OF ENGINEERING Approved by AICTE, New Delhi Affiliated to Anna University, Chennel SASURIE 0

ASSESMENT SHEET-VALUE ADDED COURSE

S No	Rea Vo	Name of the Student		Attend	Attendance Details	VAC-MCQTEST	ST	OVERALL
			Year/ Branch	No. of Hours Attended	Attendance Score (100)(A)	No. of Correct Answers	MCQ Score(100) (B)	 >Core (100) (50%, of A) +50% of B)
15.	732423104020 KANIKA.V	KANIKA.V	I/CSE	33	06	19	76	83
16.		732423104021 KARTHIKA.G	I/CSE	33	06	19	76	5
17.		KASTHURI.S	I/CSE	36	100	19	26	K\$
18.	732423104023 KAVIYA.R	KAVIYA.R	I/CSE	30	80		5 F	*
19.		MAGESH.S	I/CSE	36	100	17	3	- GP
20.		732423104025 MADHUMITHA.K	I/CSE	33	06	19	92	5
21.	732423104031	PRABAKARAN.S	I/CSE	36	100	19	ŧ	K.
22.	732423104032 PRABU.A	PRABU.A	I/CSE	36	100	18	r F	and and a
23.		732423104034 PRIYADHARSHINI.P	I/CSE	36	100	12	as as	63
24.	-	732423104035 RAJESHKANNA.G	IVCSE	33	06	10	2	5
25.	732423104036 RAMYA.S	RAMYA.S	I/CSE	33	06	1	3	12
26.		732423104037 RAVISHANKAR.K	I/CSE	30	80	50	08	40
27.	732423104038 SACHIN.R.S	SACHIN.R.S	I/CSE	36	100	18	: f:	4
28.		732423104039 SAMIKSHA.V	I/CSE	33	06		×	E E
29.		732423104040 SIVARANJANI.K	IVCSE	36	100	61	*	3
30.		SUGUNA.K	IVCSE	30	80	ST	f1	F
31.	-	732423104042 VIGNESHWARAN.T	I/CSE	30	80	17	Z	2
32.	732423104043 VIJAY.R	VIJAY.R	I/CSE	36	oth		f!	4
				Dr.M.VIJAN	Dr.M.VIJAYAKUMAR WE, Ph.D. PRINCIPAL	-Orta		
				SASURIE COLL	SASURIE COLLEGE OF ENVIREDUTION Vijayamangalam - E29 055, Trupur ION	8		



ASSESMENT SHEET-VALUE ADDED COURSE

S.No.	Re ^o No.	Name of the Student		Attenda	Attendance Details	VAC-MCQTEST		OVERALL
			Branch	No. of Hours Attended	Attendance Score (100)(A)	No. of Correct Answers	MCQ Seare (100)	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
33.	732423104044	VIKRAM.V	IVCSE	30	80	20	08	50
34.	732423104046	VISHAL.T	IVCSE	33	6	61	36	2
35.	732422104026	LOGESWARAN.K	IVCSE	33	06	61	76	5
36.	732423105001	AKASH.S	IVEEE	36	100	61	36	
37.	732423105002	RAJARETHINAM.M	IVEEE	36	100	18	2 8	20
38.	732423105003	SANTHOSHKUMAR.M	IVEEE	33	06	10	76	8 5
39.	732423105004	SHANMUGAM.A	IVEEE	30	80	81	5 6	1 2
40.	732423105005	SIVAGANAPATHY.V	I/EEE	33	06	0	35	0
41.	732423105006	THAYOOB.S	IVEEE	30	en la	00	00	2
42.	732423106001	ABINAYA.S	IVECE	30	02	07	00	80
43.	732423106003	AJAYKUMAR.S	IVECE	33	00	0.7	80	80
44.	732423106004	AJMEERKAJA.S	IVECE	33	06	61	76	83
45.	732423106005	BALAJI.M	IVECE	36	06	6	76	83
46.	732423106006	BALAJOTHI.K	VECE	33	100	19	76	88
47.	732423106007	DHARISH.N	1/FCF	10	06	19	76	83
48	732423106008	DHARSHAN A	1/FCF	36	80	21	84	82
19	- 732423106010	KAVIPRIYA.V	IVECE	33	100	18	72	86
50.	732423106011	KIRANSHANKAR. R	IVECE	36	06	19	76	83
51.	732423106012	KOWSAL YA.R	I/ECE	33	100	18	12	86
52.	732423106013	MANIKANDAN.P	I/ECE	30	06	19	76	83
5	210901202022	MATHAWANY	1/1/1		80	18	72	76
		N'NEA EUTEN	NECE	33	90		76	83
					L.W.VIJATANUI			
				S	SASURIE COLLEGE OF ENGINEERING.	ENGINEERING.		
					Vijavamandalam - 635 -	, E		

SASURE AMILIAL DIAMARKY, Channel 10

Vijayamangalam - 638 C56. Tirupur (Dt).

SASURIE COLLEGE OF ENGINEERING Approved by AICTE, New Dehi Amilated to Anna University, Chennel SASU SASURIE INSTITUTIONS H. H. L. -

ę

SASURIE COLLOR OF ENGINEERING

O.K -** --en M F Ş Ż F P Dr.M.VIJAYAKUMAR NE. PAD. SASURE COLLEGE OF ENGINEERING. -R ---* and a ASSESMENT SHEET-VALUE ADDED COURSE -Ŕ LAIDS L'AIDS I AIDS L'ADS VAIDS NDS L'AUDS I AIDS LADS LAIDS L AUDS I AIDS **VAIDS** L'AUDS I/AIDS L'AIDS **VAIDS** E E HITHESHHARWINB DHARSANKUMARS HABEEBRAHMANJ PRIVADHARSHINI P ARSHIVASANA M RITHIKROSHAN Q MADHUMITHAN IMMANUVEL H SURL NDAR M VINODHINIM V MAHITWOO GAYATHRLS LATHIKASK E HARINI K VIGNESHS MONIKAM DEEPIKAS PRADEEP.S KAVIYAS **JISHNUR** XAVIN.S 73242324300M ě E H · · E 119.

Industry 193 63 - metabolishing



ASSESMENT SHEET-VALUE ADDED COURSE

			Г	-	Γ		Т	-
	18	2	88	2	63	50	5	70
	76		76		76		84	5
	19		19		0		16	
- A VINSE	06		100		06		80	
	33		36		33		30	
	/AID		I/AIDS		I/AIDS		VAIDS	
1.1 737473743071 SENTH AMITH M		113 712772743022 SOBIV A B	N.A.IDUC 220CF2C2F	131 737473743034 TANHTHABACK	CICENTERIZITATE 1 470C42C24		12. VIJAYKUMAK.S	
127 661		172 211	761 .671	127	707 .471	175 727	101 .071	

VAC Coordinator M.Q.

Dr.M.VIJAYAKUMAR ME., Ph.D., PRINCIPAL SASURIE COLLEGE OF ENGINEERING, Vijayamangalam - 638 056, Tirupur (Dt).

HOD/S&H