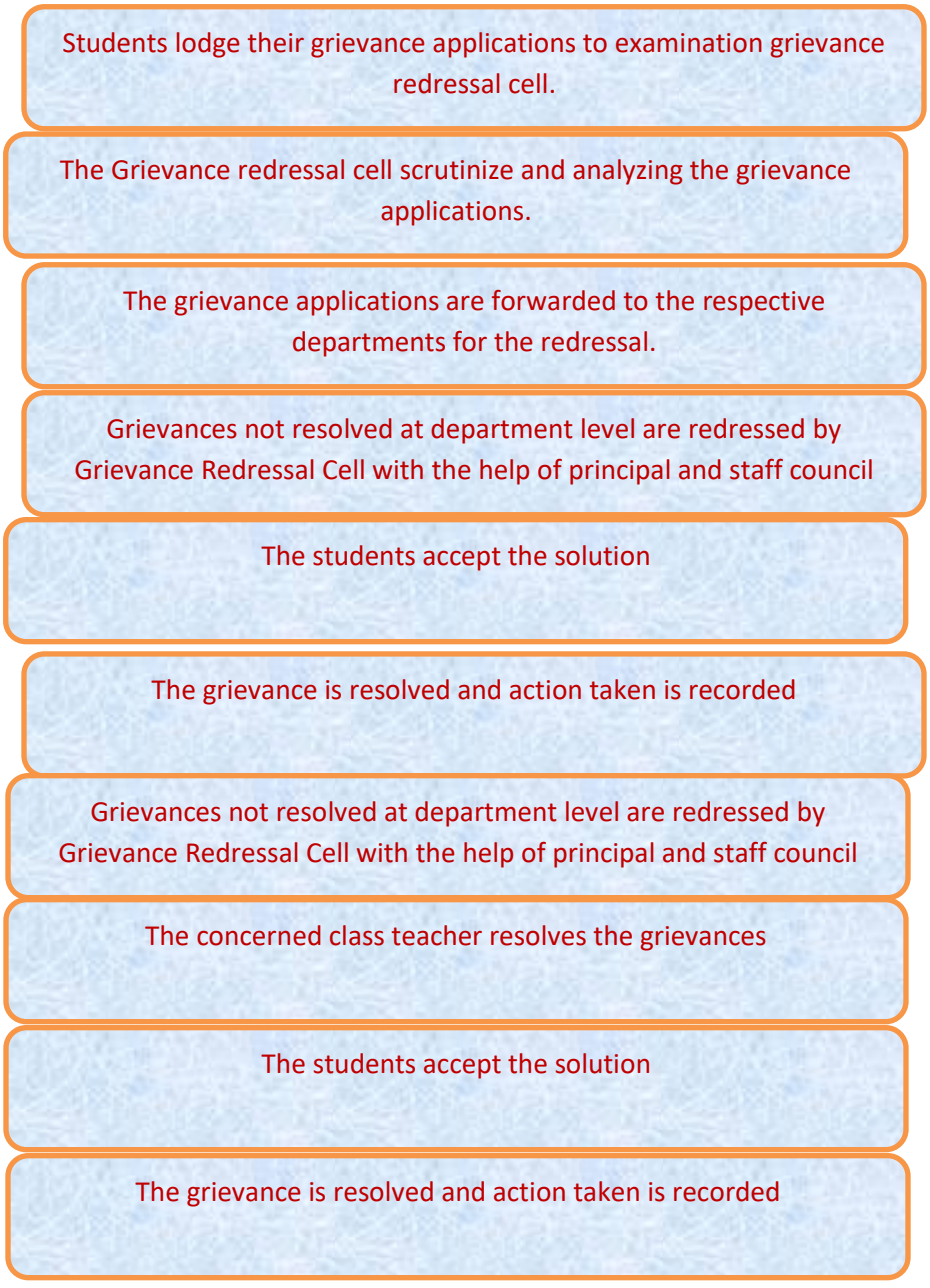
2.5.2: Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Examination Grievance Redressal Mechanism for Internal Assessment



Students not willing to submit their grievance applications personally can drop them in writing at this complaint box.

sgsac.edu.in sgsartscollegettd@gmail.com 0877-2264599

Tirumala Tirupati Devasthanams

S.G.S Arts College, T.T.D, Tirupati

(Accredited with 'A+' by NAAC)

(Affiliated to Sri Venkateswara University, Tirupati)

ISO Certified Institution

Tiruchanoor Road, Tirupati – 517501

Date : 23- 09 -2023

Notice

The students of I, III & V semesters of Microbiology Group are here by informed to go through the marks they have secured in the first internal examination from 11 -09-2023 to 19-09-2023. Their doubts or corrections etc. if any may be brought to the notice of the respective class teacher /HOD of the department before 27-09-2023.

HEAD OF THE DEPARTMENT

HOD of Microbiology
S.G.S. Arts Degree College
T.T.D., TIRUPATI-517 501.

Grievances related to internal examinations.

The examination Grievances Redressal Cell has received the letters from the students regarding their grievances pertaining to internal assessment for the academic year 2023-24.

Date:- 06/01/2024
Tirupati.

From,
K. Chiranjeevi
III rd B.Sc [MZC]
V th Semester
HT. No:- 0322 008275
S.G.S. ARTs College.
Tirupati.

To,
The examination grievence
Redressal cell,
S.G.S. ARTs College
Tirupati.

Respected Sir,

I am K. Chiranjeevi, V th sem MZC in S.G.S. ARTs College, Tirupati, writing this letter here requesting you that I'm absent on the day when Microbiology internal exam is conducted because of health issues. So kindly permit to reappear for the exam.

Thank you.

Yours faithfully
K. Chiranjeevi
0322008275

HEAD
DEPT. OF MICROBIOLOGY
SGS ARTS COLLEGE
TIRUPATI-517501 (A.P.)

S.G.S ARTS COLLEGE, TTD, TPT

DEPARTMENT OF MICROBIOLOGY,BATCH 2022-2025

COMPONENTS AND BREAKUP OF MARKS FOR THEORY COURSES FOR CONTINUOUS INTERNAL ASSESMENT (CIA)

BSC -EM III YEAR V SEMESTER 2023-2024(Environmental And Agriculture Microbiology:-3-5-115 7A)

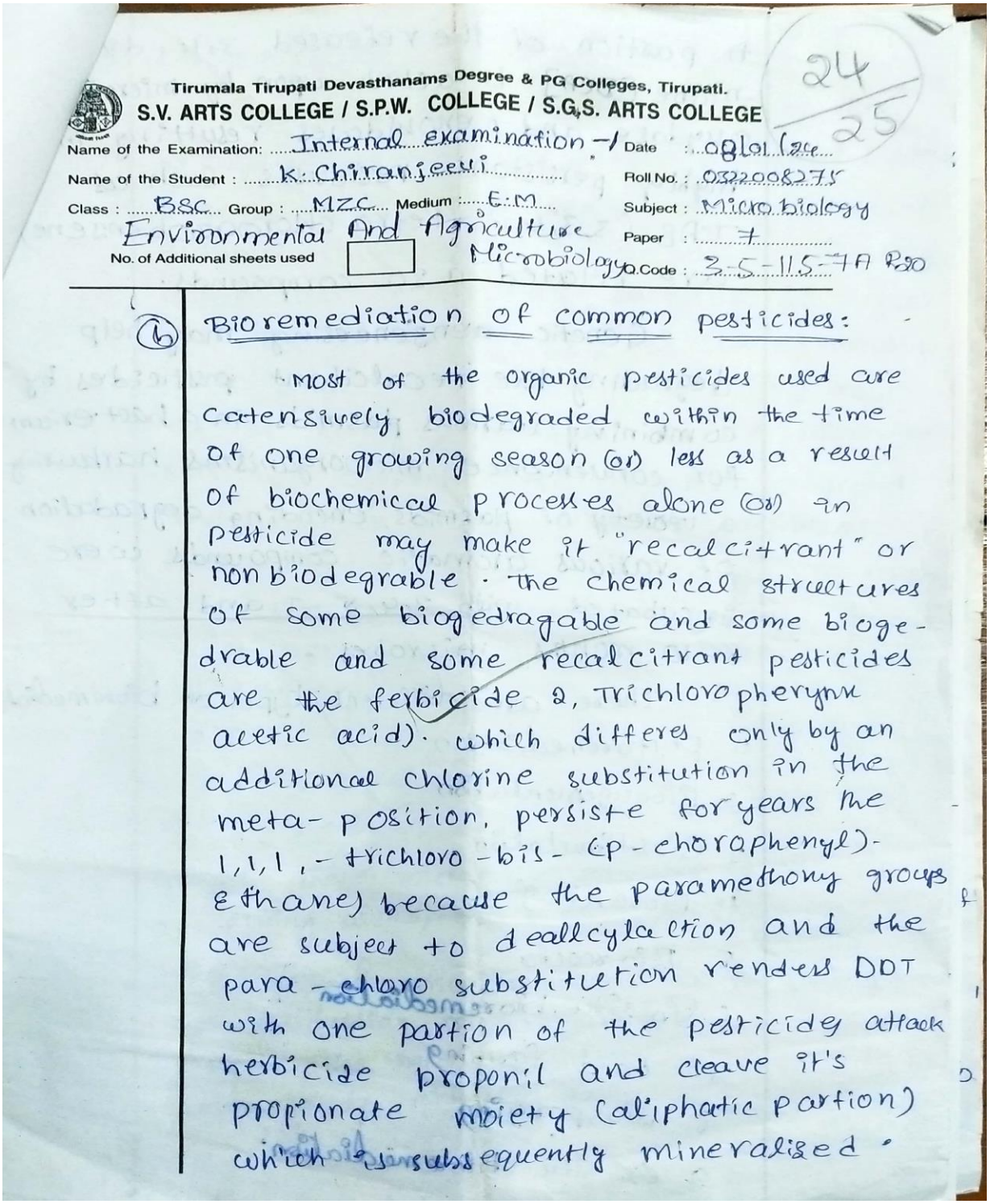
S.NO	H.T.NO	Name of the student	INTERNAL-1					INTERNAL-2					INTERNAL BEST OF TWO (25M)	INTERNAL PRACTICAL					
			ATTENDANCE (5M)	ASSIGNMENT/QUIZ/SEMINAR (5M)	MODEL EXAM (5M)	MID TEST (10M)	TOTAL (25M)	ATTENDANCE(5M)	ASSIGNMENT/QUIZ/SEMINAR (5M)	MODEL EXAM (5M)	MID TEST (10M)	TOTAL (25M)		CONDUCT OF EXPERIMENT (10M)	CLASS TEST (5M)	MODEL TEST (20M)	VIVA (5M)	RECORD(10M)	TOTAL (50M)
1	0322008261	A.NIKHIL	4	5	5	10	24	5	5	5	9	24	24	10	4	19	4	9	46
2	0322008262	B.BHAVYA	5	5	4	10	24	5	5	5	10	25	25	10	5	20	5	10	50
3	0322008264	B.UMESH	4	4	4	9	21	5	4	4	9	22	22	8	4	18	4	8	42
4	0322008266	B.SIDDESH	5	4	4	9	22	4	4	5	10	23	23	10	5	18	4	9	44
5	0322008267	B.VENKATESH	4	4	4	9	21	3	4	4	10	21	21	8	4	18	3	8	41
6	0322008268	C.SIVA	4	3	5	9	21	5	4	4	9	22	22	8	4	17	3	8	40
7	0322008269	D.HOMANJALI	5	5	4	10	24	4	5	5	10	24	24	10	4	19	4	10	47
8	0322008270	E.BHARGAVI	5	5	5	10	25	5	5	5	10	25	25	10	4	20	4	10	48
9	0322008272	G.MADHU	4	5	4	10	23	4	4	4	10	22	23	9	4	18	3	8	42
10	0322008274	K.AJAY KUMAR	4	5	5	8	22	4	4	4	9	21	22	8	3	17	4	8	40
11	0322008275	K.CHIRANJEEVI	A	A	A	A	A	5	4	5	10	24	24	10	5	19	5	10	49
12	0322008276	K.LAKSHMI NARAYAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	0322008278	K.UPENDRA REDDY	5	5	5	10	25	5	5	5	10	25	25	10	5	20	5	10	50

4	0322008281	M.PAWAN KALYAN	5	4	5	9	23	5	5	4	10	24	24	10	5	19	4	9	47
15	0322008282	M.DINESH	4	4	4	10	22	5	5	4	8	23	23	9	4	19	4	8	44
16	0322008283	M.GAJENDRA NAIK	5	5	5	9	24	5	5	5	10	25	25	9	5	20	5	9	48
17	0322008284	M.NITHISH KOUSHIK	5	4	5	10	24	5	5	5	10	25	25	10	4	20	4	10	48
18	0322008285	M.BABY PRIYANKA	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
19	0322008287	N.VISHNU VARDHAN	4	5	5	10	24	4	5	4	10	23	24	9	4	19	4	9	45
20	0322008289	P.ABISHAI BABU	4	5	4	10	23	4	5	5	10	24	24	10	4	18	5	10	47
21	0322008290	P.AMRUTHA RAJ	5	4	4	9	22	5	4	4	10	23	23	10	4	18	4	9	45
22	0322008291	P.RAMYA	5	4	5	10	24	5	5	5	10	25	25	10	4	20	5	9	48
23	0322008292	P. MAHESH	5	4	4	10	23	5	5	5	9	24	24	10	5	19	4	9	47
24	0322008293	P.V.NYNAKSHITHA	5	5	5	10	25	5	5	5	10	25	25	10	5	20	5	10	50
25	0322008295	R.VASAVI	5	5	5	10	25	5	5	5	10	25	25	10	5	20	5	10	50
26	0322008296	R.DIVYA	4	4	4	9	21	4	4	4	10	22	22	8	3	18	3	8	40
27	0322008297	S.SATHISH	4	4	5	10	23	5	5	5	8	23	23	10	4	18	4	8	44
28	0322008298	B.SONU PRAKASH NAIK	4	5	5	9	23	4	5	5	10	24	24	10	4	19	4	9	46
29	0322008299	T.ANIL	4	4	4	9	21	4	4	4	9	21	21	10	4	18	3	7	43
30	0322008300	T.NIVEDHA	5	5	5	10	25	5	5	5	10	25	25	10	5	20	5	10	50
31	0322008301	T.P.NIKHIL	4	4	4	10	22	4	4	4	9	21	22	8	4	18	4	7	41
32	0322008302	V.C.TRIVENI	5	5	4	9	23	5	5	5	9	24	24	10	4	19	4	9	46

K. Sidi

HEAD
DEPT. OF MICROBIOLOGY
SGS ARTS COLLEGE
TIRUPATI-517501 (A.P.)

Sample answer papers for Internal Examinations To ensure transparency the students are allowed to write the Internal Examinations in the answer papers provided by the Institution. A sample answer sheet provided by the Institution for the Internal Examinations is shown below



Tirumala Tirupati Devasthanams Degree & PG Colleges, Tirupati.
S.V. ARTS COLLEGE / S.P.W. COLLEGE / S.G.S. ARTS COLLEGE

24/25

Name of the Examination: Internal examination - I Date : 08/01/2025
Name of the Student : K. Chiranjeevi Roll No. : 0322008275
Class : BSC Group : MZC Medium : E.M Subject : Micro biology
Environmental And Agriculture Microbiology Paper : I
No. of Additional sheets used Sub.Code : 3-5-115-1A R20

(b) Bioremediation of common pesticides:

Most of the organic pesticides used are extensively biodegraded within the time of one growing season (or) less as a result of biochemical processes alone (or) in pesticide may make it "recalcitrant" or non biodegrable. The chemical structures of some biogedragable and some biogedrable and some recalcitrant pesticides are the ferbicide 2, Trichlorophenyne acetic acid). which differes only by an additional chlorine substitution in the meta-position, persiste for years the 1,1,1,-trichloro-bis-(p-chloraphenyl)-Ethane) because the paramethony groups are subject to deallcylation and the para-chloro substitution renders DDT with one partion of the pesticide attack herbicide proponil and cleave it's propionate moiety (aliphatic partion) which is subsequently mineralised.

A portion of the refeased 3,4-dichloroa-niline [DCA] is acted upon by microbial oxydase and peroxidases resulting in highly persistant residues such as TCAB (3,3,4,4'-tetra chloroazobenzene) are related azo compounds.

Genetic engeneering may help degrading the recalcibant pesticides by combining various plasmids in a bacterium for convenience microorganisms harbouring a variety of plasmids, encoding degradation of various aromatic compounds were incubated with 2,4,5-T and after 8-10 months microbes.

There are different types of bioremediation

1. Phytoremediation
2. Bioaugementation
3. Biostimulation
4. Bioventing
5. Bio reactor
6. In situ bioremediation
7. Land farming
8. Biosparging
9. Ex-situ bioremediation

(8) Nitrogen cycle:-

Nitrogen forms the main bulk of the atmosphere 78% as well as the biological systems various nitrogenous compolends eg:- proteins enzymes, chlorophylls, nucleic acids, etc. play vital roles in the life processes of organis-ms. The atmospheric nitrogen is chemically inest and is not directly taken by most of the living organisms and the microorganis-sms will convert these organic compounds and can be observed by the organisms and converted into the compounds which can observed by the nature and ecosyste m.

⇒ Nitrogen cycle
⇒ carbon cycle
⇒ sulphur cycle
⇒ phosphorous cycle.

Nitrogen cycle:-

Group 1:- These microorganisms which are capable of fixing atmosphere nitrogen of combination.

Group 2:- Those microorganisms which bring about the production of ammonia.

Group 3:- The microorganisms which ouide ammonia to nitrate ie nitrification.

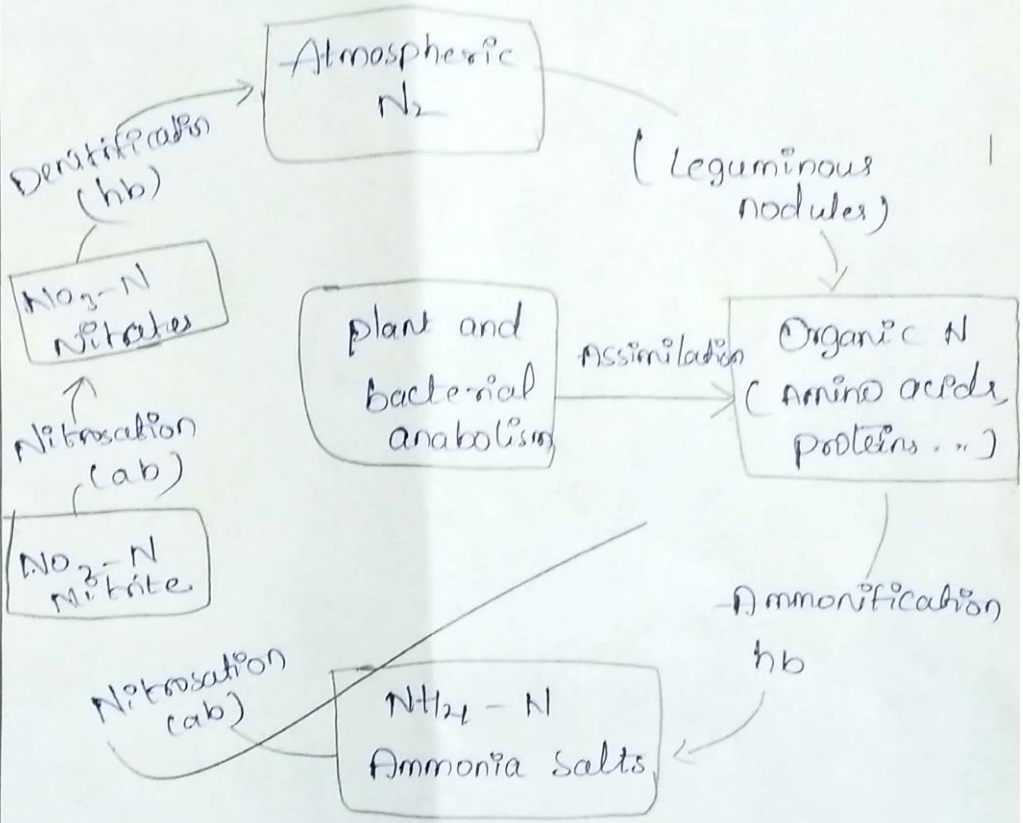
→ Microbes play a crucial role in biogeochemical cycles of nitrogen, an essential element for life.

→ Nutrient is abundant in the Earth's atmosphere, but most organisms cannot use it directly in its gaseous form (N_2), nitrogen must be converted into other forms, such as ammonia (NH_3), nitrate (NO_3), and nitrite (NO_2^-), through a series of biological and chemical reactions.

→ Some microbes can such as nitrogen fixing bacteria, have the ability to convert atmospheric nitrogen into a usable form that can be then used by plants.

→ Microbes play a role in the nitrogen cycle by breaking down organic matter, such as dead plants and animals and releasing nitrogen back into the soil or water.

→ This process known as nitrogen mineralisation, is critical for maintaining the availability of nitrogen for plant growth.



ab = autotrophic bacteria

hb = heterotrophic bacteria

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Name of the Examination: Internal examination Date : .....
Name of the Student : K. Chiranjeevi Roll No. : 321465
Class : BSC Group : MZC Medium : E.M Subject : Microbiology
Paper : I
No. of Additional sheets used Q.Code : .....

(3) Microbial interaction

(a) Microbial interaction is depend on the [positive interactions]
(b) Negative interaction
(c) Nutrient cycling interaction
(d) The importance of understanding the principle of microbial interaction.

5

Symbiosis:-
An associated of two or more different species.

Ectosymbiosis
One organism can be located with in another organisms as an ectosymbios in case, the ectosymbiont usually is a smaller organism located on the surface of a large organisms.

Endo symbiosis
One organism can be located with in another organism as an endo symbio sis

Ecto & endo symbiosis

Micro organisms live on both the inside and the outside as another organisms.

Positive interactions

⇒ Motualism
⇒ protocooperaction
⇒ commensalism

Negative interactions

⇒ predation
⇒ parasitism
⇒ Amensalism
⇒ competition.

Motualism

Defines the relationship in which some repiprocal benefical avros to both partners.
⇒ Relationship with some degree of obligations.
⇒ partners of cannot live separetely
⇒ mutualist and host air dependes each.

Negative interactions

⇒ when one organism, the predator, engulf and digests another organism the prey
⇒ The prey can be large organism or smaller than the producer and this normally results in the at the prey.

Soild waste management

Besides the inter past such as glass metal and plastic the solid wastes also contain dehydraction organism waste such as kitche scraps paper and other household and industrial sewage sludge derived from cattle liquid wastes, animal waste from cattle feed lots and poultry and swine farms are also major sources of solid organic waste In rural areas these may be recycle into land as fertilised However in areas the post an environmental problems

Sanitary land fills

The material placed in a land fill to allow it to decompose, both organic and inorganic solid wastes are deposited toge their in a low lying land.

To avoid lowl order and attraction of insects and rodents each day waste deposite is caused order over with a layer of soil, creating a sanitary land.

A developed land fill can be use for construction and purposed, for the organic manure undergoes sh anthorer microbial decomposition and the products which results include CO_2, H_2O, CH_4 low mol wt alchols and acids which differs in the surrounding air and waters.

2) Ecosystem

→ An ecosystem is a community of living organisms interacting with each other and their physical environment it is a dyanamic and complex system where organisms rely on each other for survival and contribute to the functioning of the ecosystem.

→ Ecosystems are made of two main components biotic and abiotic. the biotic components are the living organism that make up the ecosystem.

→ while the abiotic components include the non-living physical and chemical factors such as air, water, soil, sunlight temperature and nutrients.

→ Ecosystem can vary size and complexity from a small pond to a vast rainfor

T.T.D. DEGREE COLLEGE

ADDITIONAL SHEET

→ They can be classified into different types, including terrestrial ecosystems such as forests, grasslands and deserts, and aquatic ecosystems such as oceans, rivers and lakes.

→ The interactions between organisms and their environment within an ecosystem are interconnected and interdependent.

→ Energy flows through the ecosystems from the sun, and nutrients are cycles between the biotic and abiotic components.

→ Each organism has a role to play in maintaining the balance and functioning of the ecosystem.

→ Human activities such as deforestration, pollution and climate change can have a significant impact on ecosystems, disrupting their balance and causing irreversible damage.

→ understanding the concepts of ecosystems, disrupting the crucial for

promoting Sustainable practices and preserving biodiversity.

- An ecosystem consists of certain components
1. Biotic Components: The biotic components of an ecosystem are the living organisms that make up the community.
2) producers:- Producers are organisms that use sunlight to produce their own food through photosynthesis.
3) Consumers:- Consumers are organisms that obtain their energy by feeding on other organisms.
4) Decomposers:- Decomposers are organisms that break down dead organic matter and recycle nutrients back into the ecosystem.
5) Abiotic components:- The abiotic components of an ecosystem are the non-living physical and chemical factors that influence the community.
6) Climate:- The long term patterns of temperature, precipitation, and wind that determine the conditions of an ecosystem.

2023 – 24

Grievance Redressal Committee

Chief Convener	**:**	**Dr. B. Sathyanarayana**
Convener	**:**	**Dr. V. Madhu Kumar**
Co-Convener	**:**	**P. Muni Bhaskar Rao**
Members	**:**	**Dr. K. Rajesh**
		Dr.P.MadhusudhanaRao
		Smt.B.Sulochana Rani
		Mr. I. Romeswara Rao

3. Research & Extension Activities Committee

Convener	:	Dr. K. Ravindranath Reddy
Members	:	Dr. V. Venkata Lakshmi
		Smt. T. Sakuntala
		Sri K. Rajesh
		Sri P.M. Ravikumar
		Dr. B. Triveni
		Sri J. Sridhar
		Dr. B. Yuvaraja Reddy

CRITERION – 4

Committee for Infrastrctural Development:

1. Library:

Convener	:	Sri.D.Parameswara
Members	:	Dr.K.Vijaya Kumar
		Sri J. Sridhar
		Sri. J. Seshadri

2. Labs :

Convener	:	Dr.K.Ravindranadha Reddy
Members	:	Smt. N.Jayalakshmi
		Smt. B.Revathi.
		Dr.D.Sudhakar
		Dr.N.Jagadeesh Kumar
		Sri.B.Venkata Chalapathi
		Dr. B. Ravi

CRITERION – 5

Committee for Student Progression and Support:

1. Alumni Association:

Convener	:	Dr.D.Chandrakesavulu Naidu
Members	:	Dr.K.Vijaya Kumar
		Dr.K.Koteswaraiah
		Dr.K.Venkatesh

2. Career Guidance & Placement:

Convener	:	Dr.P.Chandraiah
Members	:	Sri K. Pratap
		Dr.S.Anilkumar
		Sri P.M.Ravi Kumar
		Dr.G.Manjula

3. Women Empowerment,Protection & Anti Harassment:

Convener	:	Dr.V.Venkatalakshmi
Members	:	Dr.B.Uma Maheswari
		Smt. T.Sakunthala
		Dr. A. Venkata Ramanamma
		Dr.S.Vasantha Kumari
		Dr.G.Manjula
		Smt. N.Jayalakshmi
		Dr.K.Sridevi

4. Echo Club:

Convener	:	Smt.P.Srujana
Members	:	Smt.B.Revathi
		Dr.P.Saritha

5. Grievances Redressal Committee:

Convener	:	Dr.V.Madhu Kumar
		Sri P. Muni Bhaskar Rao
Members	:	Dr.K.Rajesh
		Dr.P.Madhusudhana Rao
		Smt.B.Sulochana Rani
		I.Romeswara Rao

CRITERION – 6

IQAC Committee:

Convener	:	Sri D.Parameswara
Members	:	Sri P.Udaya
		Dr.P.Suguna
		Dr. K. Vijaya Kumar
		Dr.T.L.Narasimha Reddy
		Dr. K. Koteswaraiah
		Sri P.Harish Reddy
		D. Mahendra

CRITERION – 7

1.Discipline and Code of Conduct:

Convener	:	Dr.D.Chandrakesavulu Naidu
Members	:	Sri. S.N.Shameer
		Dr.D.Sudhakar

STUDENT WARD SYSTEM

The following faculty members are asigned certain member of students, who will be under their ward. The faculty members will supervise their attendance, academic progress and advise them on matter of their general welfare.

Course & Group		Name of I Year Class Teacher
B.Sc.,	Mathematics	Sri I. Romeswar Rao
	Physics	Sri J. Sreedhar
	Computer Science	Smt. N. Jayalakshmi
		Dr. B. Triveni
	Data Science	Dr. K. Vijaya Kumar
	Statistics	Dr. K. Vijaya Kumar
	Biotechnology	Sri. P.M. Ravi Kumar
	Botany	Dr. P. Saritha
	Zoology	Dr. B. Ravi
	Micro-Biology	Dr. K. Sridevi
	Food Science & Technology	Smt. M. Prada
B.A.,	History	Dr. S. Anil Kumar
	Economics	Sri K. Rajesh
	Political Science	Dr. S. Anil Kumar
	Special Telugu	Dr. S. Vasantha Kumari
	Special English	Dr. A. Venkata Ramanamma
	Tourism and Travel Management	Smt. Priya Singh
B.Com.,	CA (EM) - 1	Dr. B. Yuvaraja Reddy
	CA (Em) - 2	Sri. V. Kamalanathan
	GEN (EM) - 1	Dr. P. Madhusudhana Rao
	GEN (EM) - 2	Sri P. Chandraiah

ఆకాశం కన్నా ఉన్నతమైనది తండ్రి హృదయం

Course & Group			Name of II Year Class Teacher
B.Sc.,	MPC	(EM)	Smt. P. Srujana
	MSCs	(EM)	Sri J. Seshadri
	MPCs	(EM)	Sri J. Sreedhar
	MPS	(EM)	–
	MZC	(EM)	Dr. B. Ravi
	BBC	(EM)	Dr. B. Sulochana Rani
	CBZ	(TM)	Dr. P. Latha
	CT & HM	(EM)	Smt. M. Prada
B.A.,	HEP	(EM)	Sri K. Pratap
	HPT	(EM)	Dr. S. Vasantha Kumari
	MES	(EM)	–
	ASCA	(EM)	Dr. M. Vasudeva Reddy
B.Com.,	CA(EM) - 1		Sri Harish Reddy
	CA(EM) - 2		Dr. P. Siva Kumar
	GEN	(EM)	Dr. G. Munjala

Course & Group			Name of III Year Class Teacher
B.Sc.,	MPC	(EM)	Smt. K. Revathi
	MSCs	(EM)	Sri D. Chaitanya Kumar
	MPCs	(EM)	Dr. K. Koteswaraiah
	MPS	(EM)	Dr. K. Venkatesh
	MZC	(EM)	Dr. K. Sridevi
	BBC	(EM)	Dr. P. Sudhakar
	CBZ	(TM)	Dr. P. Suguna
	CT & HM	(EM)	Smt. Priya Singh
B.A.,	HEP	(TM)	Dr. B. Ajad Chandrasekhar
	HEP	(EM)	Dr. J. Kondala Rao
	HPT	(EM)	Dr. J. Kondala Rao
	MES	(EM)	Sri I. Romeswar Rao
	ASCA	(EM)	Dr. M. Vasudeva Reddy
B.Com.,	CA	(EM)	Sri C. Divya
	GEN	(EM)	Dr.T.L Narasimha Reddy

ఏకాగ్రతే జ్ఞానసముపార్జనకు కావలసిన ఏకైక మార్గం