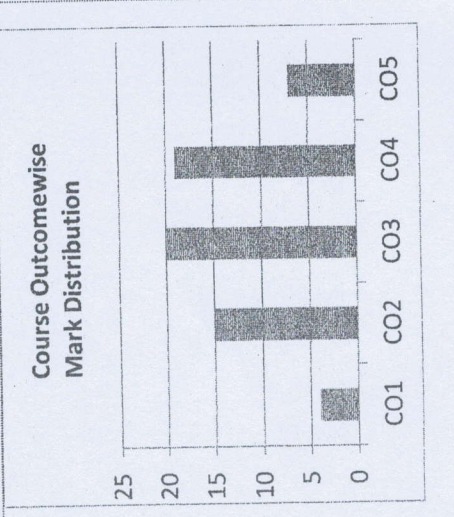
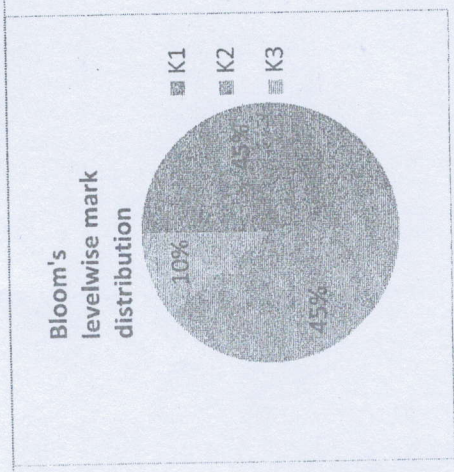


CO- Course Outcomes, **KL- Knowledge Level,** **PO – Program Outcome**

CO1	Understand the ecosystem and terminology and solve various engineering problems applying
CO2	Ecosystem knowledge to produce eco-friendly products
CO3	Understand the suitable air, extent of noise pollution and control measures acts
CO4	Understand the water and soil pollution and control measures and acts
CO5	Understand different renewable energy resources and efficient process of harvesting.

GRAFICAL REPRESENTATION



END TERM EXAMINATION
School of Engineering & IT

Branch	CSE, EEE, ME	Program	B.Tech
Subject Name	Environmental Science	Semester	3rd
		Year	2023/Odd

Time: 2 Hour
Max. Marks : 35

- Start writing from 2nd page onwards; don't write on the 1st Page Backside
- Answer all Questions of Section A (Compulsory)
- Answer Any THREE out of FIVE of Section B
- Answer Any ONE out of THREE of Section C
- Graf Paper / Drawing Sheet/ Log Book/ Ledger (please Mention if any)
- Possession of Mobile Phones or any kind of Written Material, Arguments with the Invigilator or Discussing with Co-Student will comes under Unfair Means and will Result in the Cancellation of the Papers.

Knowledge Level (KL)	K1 : Remembering	K3 : Applying	K5 : Evaluating
	K2 : Understanding	K4 : Analysing	K6 : Creating

Section A (Each question Carry 02 Marks from Q1-i to Q1v) – 10 Marks

Q. N 1	QUESTIONS	Marks	COs	KL	PO
i	Define food web with example?	2	CO1	K2	PO1
ii	What is solar energy?	2	CO4	K3	PO2
iii	Differentiate biotic and abiotic components	2	CO1	K1	PO8
iv	What is pollutant and pollution?	2	CO4	K1	PO8
v	What is E-waste and Medi-Waste	2	CO5	K2	PO8

Section B (Answer any THREE out of FIVE) – 15 Marks
(Each question 5 Marks)

Q. No.	QUESTIONS	Marks	COs	KL	PO
2	What are the types of eco system? Explain forest ecosystem.	5	CO4	K1	PO4
3	Explain global warming? Write notes on greenhouse effect.	5	CO3	K2	PO8
4	Explain bag filter method and cyclone separator method.	5	CO3	K2	PO1
5	What is biogas production mechanism?	5	CO5	K3	PO2
6	Write short notes on sources of soil pollution.	5	CO2	K2	PO1

Section C (Answer any ONE out of THREE) – 10 Marks-
(Each question Carry 10 Marks)

Q. No.	QUESTIONS	Marks	COs	KL	PO
7	What is MSW? Explain the method of disposal of MSW with appropriate diagram. Write the advantages and shortcomings of operated disposal method.	10	CO2	K2	PO1
8	What is the reason of noise pollution and how it affects the human body?	10	CO3	K1	PO4
9	Describe how water pollution occurs? Write its types and its sources?	10	CO4	K1	PO8