

AJAY KUMAR GARG ENGINEERING COLLEGE, GHAZIABAD
DEPARTMENT OF APPLIED SCIENCES AND HUMANITIES
Sessional Test 2

Program: B. Tech
 Session: 2024-25
 Subject: Environment and Ecology
 Max. Marks: 50

Semester: II
 Section: S11- S20
 Subject Code: BAS-204
 Time: 2 Hours

OBE Remarks:

Q.No	1	2	3	4	5	6	7	8	9	10	11	12
CO No.	CO2	CO2	CO3	CO3	CO3	CO2	CO2	CO2	CO3	CO3	CO2	CO3
Bloom's Level* (L1 to L6)	L1	L2	L2	L3	L3	L4	L3	L5	L4	L6	L3	L4
Weightage CO2: 26.5						Weightage CO3: 23.5						

*Bloom's Level: L1: Remember, L2: Understand, L3: Apply, L4: Analyze, L5: Evaluate, L6: Create

Note: Answer all the sections with all the questions

Section-A

(2*5=10)

1. Define sustainable development.
2. What is the main composition of biogas?
3. Differentiate between nuclear fission and fusion with reaction.
4. What is the significance of mulching in agriculture?
5. Differentiate the London and Los Angeles smog.

Section-B


(5*5=25)

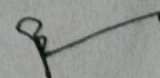
6. What is EIA? With the help of a Flow chart describe EIA process.
7. How hydrogen energy is a future energy resource- comment.
8. What is water borne disease? Write about two diseases with their causing agents.
9. What is fluoride toxicity? Write about the Nalgonda technique of fluoride removal.
10. Write brief notes on- a) Electrostatic Precipitator b) Venturi Scrubber

Section-C

(7.5*2=15)

11. What is biogeochemical cycle? Discuss in brief the steps of nitrogen cycle with neat and clear flow chart.
12. What are alternative energy resources? Describe solar energy with their merits and demerits.


 Faculty Sign


 HoD Sign