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**Question Paper Code: 92004**

B.E./B.Tech. DEGREE EXAMINATION, AUGUST 2021

Second Semester

19UCY204- Environmental Science

Common to ALL Branches

(Regulation 2019)

Duration: 1.45 hrs

Maximum: 50 Marks

PART A (Answer Any Ten)

10\*2 = 20 Marks

1. Illustrate the importance of environmental science (any two points). CO1 – U
2. How would food webs stabilize the ecosystem? Justify your answer. CO2 – U
3. Raju drink a pepsi cool drink and threw the tin in soil? What advice do you give to Raju based on 3 R Principle? CO2 – U
4. How food webs give stability to an ecosystem? Justify your answer. CO2 – U
5. Dye industry pollutes the nearby ground water. Give the reason and find the solution. CO2 – U
6. In school and colleges, how would the students pollute the campus. CO2 – U
7. Analyze which gases affect the Green House Effect near petroleum industries. CO3 – U
8. After rain, buildings near the area of oil and coal industries are affected so much. Identify the causes and prevention method. CO1 – U
9. Write a note on nuclear winter. CO3 – U
10. List out the salient features of the universal declaration of human rights by UN CO5 – U
11. What is meant by population pyramid? CO2 – U
12. How does HIV function in our body? CO5 – U
13. Analyze how solar power is really useful and worth in this modern world CO6 – U
14. Define green energy. CO6 – U
15. In what way nanotechnology improves the efficiency of fuel? CO6 – U

PART B (Answer Any Three)

3\*10 = 30 Marks

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|-----|---|----------|------|
| 16. | Explain the types and characteristics of grassland ecosystem.   | CO1-U    | (10) |
| 17  | Nisha's father has been working in sawmill. After 10 years, her father's hearing ability reduced. Give reason and suggestion to the sawmill worker. | CO2-App  | (10) |
| 18  | Ozone is a life savior, if present in stratosphere, but is a pollutant, if present in troposphere. Justify the statement and mechanism.             | CO3- Ana | (10) |
| 19  | Narrate the role of information technology in environment management.   | CO5- App | (10) |
| 20  | Analyze whether the using of nuclear power is really the answer to clean, environmental friendly energy?  | CO6- Ana | (10) |