

**ANURAG Engineering College**  
(An Autonomous Institution)  
II B.Tech I Semester Supplementary Examinations, June/July – 2024  
**ENVIRONMENTAL SCIENCE**  
(ELECTRONICS AND COMMUNICATION ENGINEERING)

Time: 3 Hours

Max. Marks: 75

<b>Section – A (Short Answer type questions)</b>		<b>(25 Marks)</b>		
<b>Answer All Questions</b>		<b>Course Outcome</b>	<b>B.T Level</b>	<b>Marks</b>
1.	Define Ecosystem.	CO1	L1	2M
2.	What is ecological pyramid?	CO1	L1	3M
3.	Write the differences between Renewable and non-renewable energy resources	CO2	L1	2M
4.	What are the floods and droughts?	CO2	L1	3M
5.	Write the sources of water pollution.	CO3	L1	2M
6.	What is kyoto protocol?	CO3	L1	3M
7.	Write the silent features of Environment Protection Act-1986.	CO4	L1	2M
8.	Write the applications of GPS system in Environment.	CO4	L1	3M
9.	What is meant by Environmental education?	CO5	L1	2M
10.	What is Carbon footprint?	CO5	L1	3M

**Section B (Essay Questions)**

<b>Answer all questions, each question carries equal marks.</b>		<b>(5 X 10M = 50M)</b>		
11. A)	Describe the structure and functions of forest ecosystems.	CO1	L3	10M
<b>OR</b>				
B)	What are hotspots of biodiversity? Which are the hotspots found in India? Discuss their salient features.	CO1	L2	10M
12. A)	Discuss the importance of Forest Resources in India.	CO2	L2	10M
<b>OR</b>				
B)	Write short notes on (i). Solar energy (ii). Wind energy	CO2	L2	10M
13. A)	Explain various types of air pollutants, sources and effects of air pollution	CO3	L3	10M
<b>OR</b>				
B)	Write short notes on (i). Global warming (ii). Ozone layer depletion	CO3	L2	10M
14. A)	Discuss the methods of disposal of municipal solid waste	CO4	L3	10M
<b>OR</b>				
B)	Write a brief note on Disaster management	CO4	L2	10M
15. A)	Discuss in detail about concept of sustainable development	CO5	L2	10M
<b>OR</b>				
B)	Explain the concept green building in detail.	CO5	L2	10M