



THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

Q.1. Write short answers to the following questions. (15x2=30)

1. What is HUMUS?
2. How soil air is important for fertility?
3. Suggest some control measures for WATER erosion.
4. What type of pollutants can be analyzed by AAS.
5. What's meant by AFLATOXINS?
6. How availability of Phosphorous is affected by soil pH?
7. What is chemical speciation?
8. Propose the reclamation of Basic soil.
9. What in principle of UV spectroscopy?
10. Mention the salient feature of HPLC.
11. What are primary & secondary minerals of soil?
12. What are limitations of GC?
13. What is DIRTY DOZEN?
14. Where is the word SOIL from?
15. What is importance of clay in nutrient holding capacity of soil?

Q.2. Write detailed answers to the following questions. (5x6=30)

1. Describe the LIQUID and GASEOUS components of soil.
2. How MINING is contributing in soil pollution?
3. Write down the salient features of POPs?
4. Describe any six principles of GREEN chemistry.
5. Describe the importance of SPECTROSCOPIC techniques in environmental monitoring.