



THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

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

1. Draw Structure of kidney with special function of detoxification?
2. How Muscles contract and relax?
3. Describe phases of Drug Metabolism?
4. Differentiate between antibacterial and antifungal drugs?
5. Define repressed and induced enzymes?
6. How do you define Chemotherapy? Also name chemotherapeutic agents?
7. Explain RNA Processing?
8. How you can classify microorganisms?
9. Explain protoplast fusion in cultures and its benefits?
10. What effect you observe in adding Buffers against pH changes in biological systems?
11. How Water is ionized?
12. How Microorganisms can grow under extreme environments?
13. Name some Anticancer and antimalarial drugs?
14. What do you understand by eukaryotic chromosomes?
15. Define Plectonemic coiling?

Q.2. Write detailed answers to the following questions.

1. (a) How genes are regulated in Prokaryotes? (5)
(b) Difference between transformation and transduction? (5)
2. Describe the structure of liver with special reference on its detoxification function? (10)
3. What do you understand by Drug Resistance? Also write biochemical transformation of drugs? (10)