

Part – B

3x6=18

Answer the following

Answer should not exceed 400 words or two pages

7. a. Describe in detail any 2 genome sequencing strategies. (CO1, K2)
Or
b. Write about the EST and its application. (CO1, K2)
8. a. Discuss about GEO and Array Express (CO1, K2)
Or
b. Elaborate the analysis of Microarray data (CO3, K2)
9. a. Distinguish the types of Genome browsers. (CO1, K2)
Or
b. Explain about working principle of GC MS. (CO2, K2)

Part – C

Answer the following

Answer should not exceed 800 words or four pages

3 x 12 = 36

10. a. Give a detailed account on steps involved in the sample preparation of microarray and its types and application. (CO2, K2)
Or
b. Describe any 2 techniques in analysis of metabolomics. (CO3, K2)
11. a. Outline the steps involved in Serial analysis of gene expression (SAGE). (CO3, K1)
Or
b. Illustrate the concept of Hap Map project (CO1, K3)
12. a. Explain in detail about Human genome project (CO1, K3)
Or
b. Distinguish the databases in metabolomics (CO3, K2)