

ST JOSEPH’S UNIVERSITY, BENGALURU -27

SEMESTER EXAMINATION: OCTOBER 2023

**(Examination conducted in November /December 2023)**

I Semester- OPEN ELECTIVE

BOOE-07: Fundamentals of Bioinformatics

(For current batch students only)

**Time: 2 Hours Max Marks: 60**

**This paper contains ONE printed page and THREE parts**

**PART-A**

**Answer any TEN of the following in one or two sentences 10X2=20**

1. Define Proteomics
2. Contributions of Margerette Dayhoff
3. What is Drug bank?
4. What is PubMed Central?
5. Expand EMBL
6. Define Drug Designing
7. What is BLAST?
8. Expand NCBI
9. What is Nucleotide database?
10. Define Genome
11. What is DrugBank?
12. What is Bioinformatics?

**PART-B**

Write short notes on any FIVE of the following 5X6=30

1. Applications of Databases (any six)
2. Characteristics of PDB
3. Consortium of Nucleotide Databases
4. Genome Databases
5. Structure and Uses of ExPASY
6. Genetic Basis of Life
7. Types and Uses of BLAST

**PART-C**

Write a detailed account of any ONE of the following 1X10=10

1. Give a detailed account of Computer Networking
2. Explain Computer Languages used in Bioinformatics