

D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1.

III B.Sc Biochemistry

Semester : V

Title of the paper: Skill based Paper - Bioinformatics

Subject Code : 15CBC5A

SECTION-A 2 MARKS

1. Define DNA.
2. Define Chromosome.
3. Explain Genetic Code.
4. Explain Transcription.
5. Explain Protein.
6. Define Bioinformatics.
7. Define Search engines.
8. Explain Elementary protocols.
9. Explain information Search system.
10. Explain Data Retrieval.
11. What are the models available for data retrieval?
12. Explain the history of data retrieval.
13. Define Proteomics.
14. Explain types of proteomics.
15. Explain the importance of Proteomics.
16. Name tools and techniques in proteomics.
17. What is Pharmaceutical bioinformatics?
18. Write any two importance of bioinformatics.
19. Define Drug.
20. Explain Functional genomics.

SECTION-C 10 MARKS

1. Write in detail about human genomics project.
2. Explain gene Expression.
3. Write short notes on RNA.
4. Explain Proteins.
5. Explain Chromosomes.
6. Write in detail about history of Bioinformatics.
7. Explain in detail about internet.
8. Write in detail about application of bioinformatics.
9. Explain data Retrieval.
10. Explain in detail about different model of retrieval system.
11. Write short notes on information system.
12. What are all the web services available in bioinformatics?
13. Write in detail about software and tools in bioinformatics.
14. Write in detail separation techniques of proteomics.
15. Explain analytical techniques in proteomics.
16. Write short notes on identification techniques of proteomics.
17. Explain in detail about protein structure techniques.
18. Write in detail about Mass spectrometry.
19. Explain in detail about molecular techniques in proteomics.
20. Explain the role of bioinformatics in the field of pharmaceutical industry.