

M.Phil Science Examination  
Paper-II : Bioinformatics  
May-2017

**Biological Science and Computer  
BIN-602**

Time : 3 Hours]

[Max. Marks : 75

1. What are the challenges offered by biology to solve it in computing environment? (15 marks)

**OR**

1. Give detailed notes on the various applications of Bioinformatics in Microbial Sciences. (15 marks)

2. Explain BLAST algorithm and give its applications (15 marks)

**OR**

2. How the bioinformatics resources are metabolic pathways studies? (15 marks)

3. Explain filters and pipes in Linux (15 marks)

**OR**

3. Give difference Windows v/s Linux with biological perspective. (15 marks)

4. Explain Biological databses. (15 marks)

**OR**

4. Give brief account on data mining? (15 marks)

5. Write brief notes on (15 marks)

- a) What is Kernel in linux?
- b) file commands in linux.
- c) ER diagram
- d) What are data integration methods?
- e) Biolinux