2022

Paper: **ZOO-HE-5016**

(COMPUTATIONAL BIOLOGY and BIOSTATICS)

Full Marks- 20

Time- 1h

The figures in the margin indicate full marks for the questions.

Answer any *four* questions from the following: 4×5=20

1. What is biological database? Explain primary, secondary, and composite database with example.

2. What is sequence alignment? Describe various types of methods of sequence alignment with example.

3. Write short notes on (any two):
   a) Importance of biostatistics
   b) Merits of Arithmetic Mean
   c) Median

4. Find out arithmetic mean and standard deviation from the following data set.

Class Interval	Frequency
0-10	7
10-20	8
20-30	3
30-40	2
40-50	1