



**THE AMERICAN COLLEGE, MADURAI**  
(An Autonomous Institution Affiliated to Madurai Kamaraj University)  
Re-accredited (2<sup>nd</sup> Cycle) by NAAC with Grade “A”, CGPA – 3.46 on a 4-point scale  
**Backlog Arrear Examination, March 2021**

**ZOO 3544**

**BIOINFORMATICS**

**MAX: 75 MARKS**

**ANSWER ANY FIVE OF THE FOLLOWING QUESTIONS**

**5X15=75 MARKS**

1. Enumerate the applications of bioinformatics
2. Outline the uses of internet and give an account on computer viruses.
3. Describe any two nucleic acid databases.
4. Give an account on the multiple sequence alignment.
5. Highlight the association between molecular biology and bioinformatics.
6. Define and differentiate primary protein database from composite and secondary protein databases with suitable examples.
7. What are web browsers? Explain any three web browsers.

\*\*\*\*\*