



**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 151**

**GENERAL BIOLOGY -I**

**Time: 3 Hrs.**  
**Max: 75 marks**

**Answer any FIVE questions**

**(5 x 15 = 75)**

1. Discuss the features of any three biomes.
2. Explain the structure and functions of a pond ecosystem.
3. Write a detailed account of the organization of chromosomes.
4. Highlight the structure and functions of a eukaryotic cell.
5. Describe the Watson and Crick’s double helical structure of DNA.
6. Discuss any three human genetic disorders.
7. Give a detailed account on the types of gene therapy.

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