

# **Ananda Chandra College**

**4<sup>th</sup> Semester Examination, 2020**

**Subject: ZOOLOGY (Programme Course)**

**Paper: SEC 2 (Sericulture)**

**Full Marks: 20**

**Word Limit: 475**

*(Answer any one question)*

1. Describe in detail the life cycle of *Bombyx mori* and add a note on silk gland.
2. Describe the steps and processes involved in the establishment of Mulberry garden for scientific rearing of mulberry silkworm.
3. Write an essay on pests of sericulture and their control.
4. Discuss on the prospects of sericulture industry in India in view of employment opportunity.

\*\*\*

**Ananda Chandra College**  
**4<sup>th</sup> Semester Examination, 2020**  
**Subject: ZOOLOGY (Programme)**

**Paper: DSC 4 (Genetics and Evolutionary Biology)**

**Full Marks: 20**

**Word Limit: 475**

*(Answer any one question)*

1. With proper examples discuss on dominance, incomplete dominance and co-dominance.
2. Write an essay on different types of mutations.
3. Describe the modern concepts of sex determination in *Drosophila*
4. Write a note on Oparin-Haldane's theory of 'Origin of Life'.

\*\*\*