

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

**Paper: DSC 2 (Comparative Anatomy and Developmental Biology of  
Vertebrates)**

**Full Marks: 20**

**Word Limit: 475**

*(Answer any one question)*

1. Describe the evolution of visceral arches among vertebrates and comment on its significance.
2. Write an essay on respiratory system of birds.
3. Discuss in detail the process of fertilization in sea urchin.
4. Describe the process of metamorphosis in frog with special emphasis to role of hormones.

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