

**2021**  
**B.A./B.Sc.**  
**Third Semester**  
CORE – 6  
**ZOOLOGY**  
*Course Code: ZOC 3.21*  
(Physiology: Controlling & Coordinating Systems)

**PART-B**  
Total Mark: 30

*Answer the following questions.*

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| 1. What is connective tissue? Explain the composition of blood.      | 1+5 |
| 2. What is reflex action? Describe the neuromuscular junction.       | 2+4 |
| 3. Discuss the ultra structure of skeletal muscle with neat diagram. | 6   |
| 4. What is oogenesis? Explain the steps involved in it.              | 1+5 |
| 5. What are hormones? Explain the mechanism of hormone action.       | 2+4 |
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