

Roll No. ....

**Y – 3158**  
**M.Sc. (Second Semester)**  
**EXAMINATION, May/June 2021**  
**ZOOLOGY**  
**Paper – 202**  
**(Biomolecules and Structure and Functions)**

*Time : Three Hours*

*Maximum Marks : 85*

*Minimum Pass Marks : 29*

**Note :** Attempt *all* questions.

**Unit-I**

1. Describe structure and types of RNA. Describe role in translation of tRNA and rRNA. 17

**Unit-II**

2. What is Glyconeogenesis ? Describe the process of glyconeogenesis in detail. 17

**Unit-III**

3. Where does the synthesis of fatty acids occur ? What regulates fatty acid synthesis ? Describe in detail. 17

**Unit-IV**

4. Write an essay on biosynthesis of amino acids. 17

**Unit-V**

5. What are the four laws of thermodynamics ? How do the laws of thermodynamics apply to living systems ? 17