

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I Year B.Sc. Nursing Degree Examination – 08-Feb-2021**

**Time: Three Hours**

**Max. Marks: 30 Marks**

**BIOCHEMISTRY**  
**(RS3, RS4 & RS5)**  
**Q.P. Code: 1756**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary. Answer All Questions

**(Note: Both QP Codes 1755 and 1756 are to be answered within total duration of 3 hours)**

**LONG ESSAYS**

**1 x 10 = 10 Marks**

1. Describe in detail steps, regulation, energetics and Amphibolic nature of Tricarboxylic acid cycle.

**SHORT ESSAYS**

**2 x 5 = 10 Marks**

2. Describe fluid mosaic model of cell structure.
3. Explain the digestion and absorption of proteins in body.

**SHORT ANSWERS**

**5 x 2 = 10 Marks**

4. List out four functions of Mitochondria.
5. Define Isomerism.
6. Name four Steroid Hormones.
7. List out four signs of Deficiency of Vitamin D.
8. Write down four advantages of ELISA test.

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