

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 10-Feb-2021

Time: 3 Hours**Max. Marks: 40 Marks****BIOCHEMISTRY (RS)****Q.P. Code: 1678**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

(Note: Both QP Codes 1677 and 1678 are to be answered within total duration of 3 hours)**LONG ESSAYS (Answer any One)****1 x 10 = 10 Marks**

1. Describe the reaction of Urea cycle
2. Describe the functions & deficiency manifestations of Vitamin D

SHORT ESSAYS (Answer any Four)**4 x 5 = 20 Marks**

3. Explain the digestion of carbohydrates
4. Classify proteins based on their functions
5. What are phospholipids? Explain their functions
6. Explain the reactions of Glycogen synthesis
7. What is Respiratory Acidosis? Mention the cause for Respiratory Acidosis

SHORT ANSWERS (Answer all).**5 x 2 = 10 Marks**

8. What are essential amino acids?
9. What are the functions of Vitamin K?
10. What is Beri-Beri?
11. What is Isoelectric pH of Proteins?
12. Write the normal values of:
 - a) Random Blood Sugar (RBS)
 - b) Serum creatinine
