

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 28-Jul-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. Explain the reactions of Kreb's cycle
2. Describe the functions & deficiency of Vitamin C

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

3. Classify carbohydrates with suitable example
4. What is Hyperkalemia? Mention the causes for Hyperkalemia
5. What is Metabolic Alkalosis? Mention the causes for metabolic alkalosis
6. Explain the process of digestion of fats
7. Describe the functions of Vitamin B12

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

8. Mention the deficiency features in Vitamin A deficiency
9. Give examples for essential fatty acids
10. Name four enzymes of protein digestion
11. Define Osmosis
12. Mention the normal levels of:
 - a) Serum Sodium
 - b) Blood Urea
