

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 04-Sep-2020

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 steps involved in β -oxidation of fatty acids. Add a note on the energetics of β -oxidation of Palmitic acid.
2. Mention the sources, RDA, functions and deficiency manifestations of Vitamin C.

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

3. Role of kidney in acid base balance
4. Biologically important compounds formed from Tyrosine
5. Protein Energy Malnutrition (PEM)
6. Biochemical functions of Vitamin A
7. Hormonal regulation of blood glucose level

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

8. Pellagra.
9. Essential amino acids.
10. Normal blood level of (a) Urea (b) Creatinine
11. Test for the detection of proteins in urine
12. Rickets
