

Rajiv Gandhi University of Health Sciences, Karnataka  
I year B.Sc. Nursing (PC) Degree Examination - SEP-2017

Max. Marks: 38 Marks

Time: 3 Hours

**Biochemistry**

**Q.P. Code : 1739**

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary  
**(Note : Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Describe pentosephosphate pathway. Add a note on its significance.
2. Describe  $\beta$ -oxidation reaction of palmitic acid. Add a note on its energetics.

**SHORT ESSAYS (Answer any Four)**

**4 x 5 = 20 Marks**

3. Pellagra
4. Classification and functions of lipoproteins
5. Different structural organization of proteins
6. Polysaccharides
7. Glucose Tolerance Test (GTT).

**4 x 2 = 8 Marks**

**SHORT ANSWERS**

8. Protein denaturation
9. Benedict's test
10. Cori cycle
11. Normal levels of, a) Bilirubin b) Uric acid

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