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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Optometry Degree Examination - SEP-2019

Time: Three Hours

Max. Marks: 80 Marks

Basic Biochemistry and Ocular Biochemistry and Nutrition

Section A – Basic Biochemistry (40 Marks)

(Revised Scheme – 3)

Q.P. CODE: 3101

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 3101 and 3102 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer Any Two)

2 x 10 = 20 Marks

1. Mention the sources, functions and deficiency manifestations of Vitamin A.
2. What is Urea? Describe the synthesis of Urea.
3. Describe the process of glycolysis with its energetics.

SHORT ESSAYS (Answer Any Two)

2 x 5 = 10 Marks

4. Mention factors affecting enzyme activity. Explain any two factors in detail.
5. Functions of Phospholipids.
6. Name the buffer system of body fluids. Explain any one of them.

SHORT ANSWERS

5 x 2 = 10 Marks

7. Name the Ketone bodies
8. Name the nucleic acids and their biomedical importance.
9. Name any Two diagnostically importance enzymes.
10. What are antioxidants? Give two examples.
11. Name Four Plasma Proteins.



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