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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 B: Ocular Biochemistry and Nutrition (40 Marks)

(Revised Scheme – 3)

Q.P. CODE: 3102

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. What is balance diet? Plan a normal diet for a 60kg sedentary Man.
2. Metabolic pathways of Cornea.
3. Sources, RDA, functions, Absorption and transport of Iron. Add a note on Iron Deficiency.

SHORT ESSAYS (Answer Any Two)

2 x 5 = 10 Marks

4. Protein Energy Malnutrition.
5. Tear Film and its functions.
6. Differences in biochemical composition of aqueous humor and vitreous humor.

SHORT ANSWERS

5 x 2 = 10 Marks

7. Respiratory Quotient.
8. What are the functions of ciliary body?
9. Sources and RDA of Vitamin A.
10. Obesity.
11. Define Trace Elements (Micro Minerals). Give Two Examples.



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