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Rajiv Gandhi University of Health Sciences

I year BDS Degree Examination – June / July 2011

Time : 3 Hours

Max Marks : 70

Marks

Human Physiology and Biochemistry (Old scheme)

Your answer shall be specific to question asked. Draw neat and labelled diagrams wherever necessary. **Use separate answer books for section A and section B.**

QP Code : 1102 - Section A : Human Physiology [40 marks]

LONG ESSAY**1 X 10 = 10 Marks**

1. List the hormones of the posterior pituitary and describe their actions

SHORT ESSAY**4 X 5 = 20 Marks**

2. What is a synapse? Describe the structure of a neuron with diagram
3. Explain pacemaker potential
4. Describe the movements of the stomach
5. Explain the digestion and absorption of fats

SHORT ANSWERS**5 X 2 = 10 Marks**

6. List the functions of oestrogen
7. What is visual area and auditory area?
8. What are the permanent methods of family planning?
9. List the mode of action of hormones
10. What is myopia?

QP Code : 1103 - Section B : Bio-Chemistry [30 marks]

LONG ESSAY**1 X 8 = 8 Marks**

1. Describe Glycogenesis and factors influencing blood sugar level

SHORT ESSAY**3 X 4 = 12 Marks**

2. Enzyme inhibition
3. Structure and clinical significance of cholesterol
4. Deficiency manifestation of vitamin 'A'

SHORT ANSWERS**5 X 2 = 10 Marks**

5. What are disaccharides? Give examples
6. What is meant by transamination? Give examples
7. Name the vitamins which are deficient in
 - a) Pellagra
 - b) Beri Beri
 - c) Angular Stomatitis
 - d) Scurvy
8. What is Triglyceride? Where is it stored in the body?
9. Classify proteins, with examples
