

1652_2008_1_S43

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. (Nursing - Basic) Degree Examination – March / April 2008

Time: Three Hours**Max. Marks: 80 Marks**

PHYSIOLOGY & BIOCHEMISTRY - (Old Scheme)

Q.P. CODE: 1652 & 1653

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary

Use separate answer books for section A and section B

Q.P. Code: 1652 – Section A – PHYSIOLOGY (40 Marks)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Describe the dilution and concentration of urine. What is Diabetes insipidus?
2. Describe the visual pathway with diagram. What will happen to the vision when the optic chiasma is damaged

SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

3. Explain the functions of plasma proteins
4. Explain the functions of insulin
5. List the functions of Estrogens
6. Explain the functions of bile salts
7. Describe the non-respiratory function of lungs

SHORT ANSWERS

5 x 2 = 10 Marks

8. List the functions of middle ear
9. List the functions of spinal cord
10. Name the contractile proteins of skeletal muscle and give their functions
11. List the functions of corticospinal tracts
12. Name the muscles of inspiration and expiration. Give their actions

Q.P. Code: 1653 – Section B – BIOCHEMISTRY (40 Marks)

Use separate answer book

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Define lipids. Classify lipids with examples. Add a note on the biological significance of lipids
2. Describe the citric acid cycle

SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

3. Clearance tests
4. Mechanism of enzyme action
5. Polysaccharides
6. Visual cycle
7. Denaturation of proteins

SHORT ANSWERS

5 x 2 = 10 Marks

8. Daily requirement and deficiency disorders of Niacin and Vitamin C
9. Benedict's test
10. Role of Aldosterone
11. Collection of 24 hour urine specimen
12. Normal serum levels of cholesterol and triglycerides
