

February 2010

[KW 6003]

Sub. Code : 6003

BACHELOR OF OPTOMETRY DEGREE EXAMINATION

FIRST YEAR

Paper III – GENERAL ANATOMY AND GENERAL PHYSIOLOGY

Q.P. Code : 806003

Time : Three hours

Maximum : 100 marks

Answer ALL Questions

Section A and B must be answered in SEPARTATE answer book

Draw diagrams wherever necessary

SECTION – A (GENERAL ANATOMY)

I. Essay: (1 x 15 = 15)

1. Discuss the structure and functions of heart.

II. Short Notes : (5 x 5 = 25)

1. Structure of skin.
2. Structure and functions of ureters.
3. Structure of Brain.
4. Structure and functions of mouth.
5. Structure and functions of capillaries.

III. Short Answers : (5 x 2 = 10)

1. Classification of Joints.
2. Lymph node.
3. Bronchi.
4. Involuntary muscles.
5. Pancreas.

SECTION – B (GENERAL PHYSIOLOGY)

I. Essay: (1 x 15 = 15)

1. Explain the mechanism of urine formation.

II. Short Notes : (5 x 5 = 25)

1. Cardiac cycle and heart sounds.
2. Give an account on pregnancy and child birth.
3. Explain the composition of digestive juices.
4. Mechanism of respiration.
5. Physiology of hearing.

III. Short Answers : (5 x 2 = 10)

1. Puberty.
2. Coagulation of blood.
3. Bile Juices.
4. Blood pressure.
5. Cerebrospinal fluid.

August 2011

[KZ 0811]

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FIRST YEAR

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Q.P. Code : 806003

Time : Three hours

Maximum : 100 marks

Answer ALL Questions

I. Elaborate on :

(3 x 10 = 30)

1. Anatomy of Respiratory tract.
2. Cushing disease. Add a note on adrenal function.
3. What is blood group? Write a note on blood transfusion reactions.

II. Write Short Notes :

(8 x 5 = 40)

1. Functions of WBCs.
2. Immunoglobulins.
3. Enterohepatic circulation.
4. Grave's disease.
5. Insulin.
6. Vagus Nerve.
7. Functions of bile.
8. Cardiac cycle.

III. Short Answers on:

(10 x 3 = 30)

1. What is Scurvy?
2. What is pH of blood?
3. Functions of platelets.
4. What is accommodation?
5. What is jaundice?
6. Parts of a sperm.
7. Components of a cell.
8. Mention the parts of neuron.
9. What is a capillary?
10. What is Goiter?

February 2012

[LA 0212]

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B.Sc. OPTOMETRY

FIRST YEAR

PAPER III – GENERAL ANATOMY AND GENERAL PHYSIOLOGY

Q.P. Code : 806003

Time : Three hours

Maximum : 100 marks

Answer All questions.

I. Elaborate on :

(3 X 10=30)

1. What are the pituitary hormones? Elaborate on growth hormone
2. Structure of ear
3. Anatomy of adrenal gland

II. Write notes on:

(8X 5 = 40)

1. Structure of skin
2. Juxta glomerular apparatus
3. Blood group
4. Cardiac cycle
5. Contraception
6. Anatomy of brain
7. Taste bud
8. Functions of digestive system

III. Short Answers on:

(10X 3 = 30)

1. Which hormones regulate blood glucose?
2. Name three digestive enzymes
3. What are bile pigments?
4. What is cardiac output?
5. Parts of neuron
6. Structural layer of a blood vessel
7. Name bones of skull
8. Mention the components of blood
9. What is surfactant?
10. What are ureters?
