

February 2009

[KU 704]

Sub. Code: 4164

**FIRST B.PHARM. DEGREE EXAMINATION**

**(ReRevised Regulations)**

**Candidates Admitted upto 2003-04**

**Paper IV – ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION**

***Q.P. Code : 564164***

**Time : Three hours**

**Maximum : 90 marks**

**I. Essay Questions : Answer any TWO questions (2 x 20 = 40)**

1. a) Discuss the anatomy of respiratory organs with proper diagram. (10)  
b) Discuss in detail about the mechanism of respiration. (10)
2. a) Write in detail anatomy of pituitary gland and describe its function. (10)  
b) Discuss in detail about various stages of menstrual cycle. What are hormones influencing menstruation. (7+3)
3. a) Draw a neat diagram of eye. Discuss the physiology of vision.  
b) Add a detail note on various refractory errors and its corrections.

**II. Write Short Notes : Answer any EIGHT questions (8 x 5 = 40)**

1. Aneamia.
2. Cerebro spinal fluid and its function.
3. Parasympathetic innervation and its function.
4. Cell Mediated Immunity.
5. Scapula.
6. Neuro Muscular junction.
7. Mechanism of urine formation.
8. Family planning methods.
9. Malarial infection and its prevention.
10. Balanced diet.

**III. Short Answers: Answer any FIVE questions (5 x 2 = 10)**

1. Hematopoiesis.
2. Active transport.
3. Enterocytes.
4. Synapse.
5. Glomerular Filtration Rate (GAR).
6. Vital Capacity.
7. Circumduction.

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August 2009

[KV 704]

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(Revised Regulations)**

**Candidates Admitted upto 2003-04**

**Paper IV – ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION**

***Q.P. Code : 564164***

**Time : Three hours**

**Maximum : 90 marks**

**I. Essay Questions : Answer any TWO questions (2 x 20 = 40)**

1. a) With a neat diagram explain the structure of Heart.  
b) Explain the conduction system of Heart.
2. a) Describe the location and anatomical features of the stomach.  
b) Discuss the various phases that regulate gastric secretion.
3. Describe the anatomy and histology of adrenal gland and describe the physiology of hormones secreted by adrenal gland. Add a note on aldosteronism.

**II. Write Short Notes : Answer any EIGHT questions (8 x 5 = 40)**

1. Write the mechanism of blood coagulation.
2. Draw and label the parts of nephron.
3. Discuss the functions of skin.
4. Write notes on spermatogenesis.
5. Write the mode of transmission and prevention of worm infestation.
6. Write notes on autonomic nervous system.
7. Define and classify bones with example.
8. Write briefly on the mechanism of respiration.
9. Define the term family planning. Discuss the various temporary methods of family planning.
10. Write the composition and functions of blood.

**III. Short Answers: Answer any FIVE questions (5 x 2 = 10)**

1. Define vital capacity.
2. Write the functions of pancreas.
3. List the bones of skull.
4. Name the fat soluble vitamins and write their functions.
5. Define the term, blood pressure and hypertension.
6. List the hormones of pituitary gland.
7. Write the functions of Hypothalamus.

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**Paper IV – ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION**

*Q.P. Code : 564164*

**Time : Three hours**

**Maximum : 90 marks**

**I. Essay Questions : Answer any TWO questions (2 x 20 = 40)**

1. Write the composition and functions of blood. Discuss the mechanism of blood coagulation. Write notes on anaemia.
2. Draw and label the parts of respiratory system. Discuss the mechanism of respiration.
3. Discuss the principle anatomical structures of the eye with a neat diagram. Write the physiology of vision.

**II. Write Short Notes : Answer any EIGHT questions (8 x 5 = 40)**

1. Write briefly on (IUCD) Intra Uterine Contraceptive Devices.
2. Define and classify joints. Add a note on ball and socket joint.
3. Write notes on heart sounds.
4. Discuss the anatomy and physiological functions of liver.
5. Define and outline the event of menstruation.
6. List the functions of cerebrospinal fluid.
7. Describe the physiology of hearing.
8. Write notes on Villi.
9. Discuss the regulation of thyroid hormone secretion.
10. Describe the mechanism of micturition.

**III. Short Answers: Answer any FIVE questions (5 x 2 = 10)**

1. Write the functions of saliva.
2. Define cardiac output.
3. Write the preventive measures of tuberculosis.
4. Define diabetes mellitus.
5. Write the functions of bones.
6. What are plasma proteins? Give example.
7. Write the use of spirometer.

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