[KO 1233] **Sub. Code : 1233**

FIRST B.H.M.S. DEGREE EXAMINATION.

(Regulations – 2004)

Paper VI — PHYSIOLOGY — II

Time : Three hours **Maximum : 100 marks**

Theory : Two hours and forty minutes **Theory : 80 marks**

M.C.Q. : Twenty minutes **M.C.Q. : 20 marks**

I. Write an essay on any TWO of the following : (2 × 15 = 30)

1. Name the hormones secreted by anterior pituitary and describe the physiological actions of each.

2. Define reflex action and describe the general features of reflex action.

3. Describe the functions of small Intestine and its various movements.

II. Write short notes on any TEN of the following : (10 × 5 = 50)

1. Gall Bladder.

2. Babinski's sign.

3. Regulation of food Intake.

4. Ketoacidosis.

5. Myosin.

6. Co-enzymes.

7. Synaptic Inhibition.

8. Corpus luteum.

9. Lactation.

10. Glycogenolysis.

11. Hypo thyroidism.

12. Wernick's area.

[KP 1233] **Sub. Code : 1233**

FIRST B.H.M.S. DEGREE EXAMINATION.

(Regulations – 2004)

Paper VI — PHYSIOLOGY — II

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

I. Write essay on :

Answer any ONE :

1. Describe cholesterol biosynthesis with its regulation. Add a note on the significance of plasma cholesterol. (15 + 5 = 20)

2. Define glycolysis. Describe in detail anaerobic glycolysis with its energetics and regulation. (2 + 10 + 2 + 6 = 20)

II. Answer any TWO :

1. Explain foetal circulation with the help of a neat and labelled diagram. (7 + 8 = 15)

2. Oxygen dissociation curve. (15)

3. Describe urea synthesis with its regulation. Add a note on metabolic disorders of urea cycle. (6 + 4 + 5 = 15)

III. Short notes – Write any SIX : (6 × 5 = 30)

1. BBB (Bundle Branch Block).

2. Entero hepatic circulation of bile salts.

3. Structure of synapse with the help of diagram.

4. Hypoxia.

5. Periodic breathing.

6. Succus entericus.

7. Pulmonary circulation.

8. Inspiratory capacity and Expiratory capacity.

AUGUST 2007

[KR 1233] **Sub. Code : 1233**

FIRST B.H.M.S. DEGREE EXAMINATION.

(Regulations – 2004)

Paper VI — PHYSIOLOGY – II

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

I. Write an Essay on any TWO :

1. Explain Menstrual cycle? (15)

2. Describe the functions of small intestine and its various movements. (15)

3. What are the pitutary hormones? Explain their mechanism of secretion and regulation.

II. Write Short notes on any TEN : (10 × 5 = 50)

1. Growth Hormone.

2. Vitamin K.

3. ADH.

4. Sources functions and deficiency of Vitamin C.

5. Liver Functions Test.

6. Plasma Proteins.

7. Oxytocin.

8. Diabetes mellitus.

9. Functions of CSF.

10. Synapse.

11. Cyanosis.

12. Juxtra Glomerular apparatus.

———————

FEBRUARY 2008

[KS 1233] **Sub. Code : 1233**

FIRST B.H.M.S. DEGREE EXAMINATION.

(Regulations – 2004)

Paper VI — PHYSIOLOGY — II

Q.P. Code : 581233

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

I. Write essay on any TWO : (2 × 15 = 30)

1. What are receptors? Classify them and explain their properties.

2. Detail account on regulation of blood sugar level at different level.

3. Describe the composition, functions and mechanism of secretion of gastric juice.

II. Short notes on any TEN : (10 × 5 = 50)

1. Ptyalin.

2. Polysaccharide.

3. Acromegaly.

4. Myasthenia gravis.

5. TCA cycle.

6. Bile pigments.

7. Parkinson's disease.

8. Blood brain barrier.

9. Sources, functions and deficiency of Vit. A.

10. Myxedema.

11. Vomiting.

12. Saltatory conduction.

August 2008

[KT 1233] **Sub. Code : 1233**

FIRST B.H.M.S. DEGREE EXAMINATION.

(Regulations 2004)

Paper VI — PHYSIOLOGY — II

Q.P. Code : 581233

Time : Three hours Maximum : 100 marks

Draw diagrams in appropriate places.

I. Long Essay on any TWO : (2 × 15 = 30)

1. Write in detail about the movements of small intestine.

2. Name the pituitary hormones. Write briefly about the functions of hypo and hyper secretory conditions of Anterior pituitary hormones.

3. Define spermatogenesis. Write in detail about its stages and factors affecting the spermatogenesis.

II. Short notes on any TEN : (10 × 5 = 50)

1. Bile.
2. Synapse.
3. Functions of Thalamus.
4. Visual pathway.
5. Vit. B_1.
6. Tetany.
7. Menstrual cycle.
8. Enzymes.
9. Cori cycle.
10. Gluconeogenesis.
11. Saliva.
12. Malabsorption.

III. Short answers : (10 × 2 = 20)

1. Conditioned reflex.
2. Jaundice.

3. Villi.
4. Riboflavin.
5. Contraception.
6. Ovulation.
7. Vomiting.
8. Wernick's area.
9. Basal ganglia.
10. Gastric emptying.