

[KU 1233]

FEBRUARY 2009

Sub. Code: 1233

FIRST B.H.M.S. DEGREE EXAMINATION
(Regulations 2004-2005 onwards)

Pattern 5

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum: 100 marks

Draw diagram in appropriate places

I. Long Essay: (Answer any TWO questions) (2 x 15 = 30)

1. Describe in detail about the secretion of gastric juice, its composition and functions.
2. Explain briefly about the Thyroid Hormones functions and its Hypo and Hyper Secretion manifestations.
3. Mention the descending tract of spinal cord. Describe in detail the pyramidal tract. Write a note on upper and lower motor neuron.

II. Short notes on: (Answer any TEN questions) (10 x 5 = 50)

1. Gag reflex.
2. Pavlov's pouch.
3. Insulin.
4. Acromegaly.
5. ADH.
6. Synapse.
7. Diabetic coma.
8. Reflex arc.
9. Cretinism.
10. Neuron.
11. Ovulation.
12. Physiology of sleep.

III. Write Short answers : (Answer ALL questions) (10 x 2 = 20)

1. Bile pigments.
2. Saliva.
3. Dwarfism.
4. Anti-stress Hormones.
5. Sperm.
6. Rod and Cons.
7. Vitamin D.
8. BMR.
9. Occipital lobe.
10. Cerebellum.

[KV 1233]

AUGUST 2009

Sub. Code: 1233

FIRST B.H.M.S. DEGREE EXAMINATION
(Regulations 2004-2005 onwards)

Pattern 5

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum: 100 marks

Draw diagram in appropriate places

I. Long Essay: (Answer any TWO questions) (2 x 15 = 30)

1. Define the nuclei and functions of the Hypothalamus.
2. Name the anterior pituitary hormones and its functions.
3. Describe the composition and actions of Bile. How its secretion regulated?

II. Short notes: (Answer any TEN questions) (10 x 5 = 50)

1. Cerebrospinal fluid.
2. Vit. B₁.
3. Menstrual cycle.
4. Balance diet.
5. Gigantism.
6. Post pituitary hormones.
7. Fat soluble vitamins.
8. Cholecystokinine.
9. Functions of cerebellum.
10. Gastric juice.
11. Auditory pathway.
12. Lactation.

III. Write Short answers : (Answer ALL questions) (10 x 2 = 20)

1. Specific dynamic action.
2. Neuron.
3. Essential amino acids.
4. Ovulation.
5. Acromegaly.
6. Neuro muscular junction.
7. Propagation of nerve impulse.
8. Properties of smooth muscle.
9. The citric acid cycle.
10. Ketone bodies.

[KW 1233]

FEBRUARY 2010

Sub. Code: 1233

FIRST B.H.M.S. DEGREE EXAMINATION
(Regulations 2004-2005 onwards)

Pattern 5

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum: 100 marks

Answer ALL questions
Draw diagram in appropriate places

I. Essay:

(2 x 15 = 30)

1. Enlist the hormones secreted by pancreas. Explain the functions and regulation of secretion of insulin.
2. Name the components of Basal ganglia. Give an account of connection, functions and disorders of basal ganglia.

II. Short Notes:

(10 x 5 = 50)

1. Neuromuscular transmission.
2. Simmond's disease.
3. Spermatogenesis.
4. Gastrointestinal Hormones.
5. Structure of Neuron.
6. Functions of Hypothalamus.
7. CSF.
8. Functions of bile.
9. Vitamins and their classification.
10. Enzymes.

III. Short Answers :

(10 x 2 = 20)

1. Pheochromocytoma.
2. Adrenal crisis.
3. Menopause.
4. Sarcomere.
5. Blood Brain Barrier.
6. Jaundice.
7. Name the types of glands of stomach.
8. Babinski sign.
9. Thiamine.
10. Wallarian degeneration.

[KX 1233]

AUGUST 2010

Sub. Code: 1233

FIRST B.H.M.S. DEGREE EXAMINATION
(Regulations 2004-2005 onwards)

Pattern 5

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum: 100 marks

Draw neat diagram wherever necessary

Answer ALL question

I. Essay question:

(2 x 15 = 30)

1. Name the hormones secreted by Thyroid gland. Describe its synthesis, storage, release, transport and regulation of secretion of Thyroid hormones and their functions.
2. Enumerate the descending tracts of Spinal Cord. Write in detail about pyramidal tracts and the effects of lesion in pyramidal tract.

II. Short Notes:

(10 x 5 = 50)

1. Deglutition reflex.
2. Functions of Liver.
3. Addison's disease.
4. Ovulation.
5. Functions of Placenta.
6. Myasthenia gravis.
7. Movements of small intestine.
8. Synapse.
9. Digestion and absorption of protein.
10. Gastric emptying.

III. Short Answers :

(10 x 2 = 20)

1. Mastication.
2. What is succus entericus?
3. Bile pigments.
4. Diabetes insipidus.
5. Acromegaly.
6. Safe period.
7. MTP.
8. Brocas area.
9. Rickets.
10. Kernicterus.

[KZ 1233]

AUGUST 2011

Sub. Code: 1233

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Essay: **(2 x 15 = 30)**

1. Name the Hormone secreted by Thyroid gland. Explain synthesis, storage, release, transport and regulation of secretion of Thyroid Hormone and function.
2. Define Synapse? Explain functions and properties of synapse.

II. Short Notes: **(10 x 5 = 50)**

1. Goitre.
2. Functions of Hypothalamus.
3. Function of Aldosterone.
4. Function of Large Intestine.
5. Jaundice.
6. Oestrogen and Progesterone.
7. Menopause.
8. Frontal lobe syndrome.
9. Cushing's syndrome.
10. Acromegaly.

III. Short Answers : **(10 x 2 = 20)**

1. Nuclear of Hypothalamus.
2. Function of Glucagon.
3. Diabetes Mellitus.
4. Functions of Calcium.
5. Cholagogues.
6. Succus entericus.
7. Define Ovulation.
8. HCG.
9. Proteoglycans.
10. Metallo proteins.

FIRST B.H.M.S. DEGREE EXAMINATION**PAPER VI – PHYSIOLOGY - II***Q.P. Code : 581233***Time: Three Hours****Maximum: 100 marks****Answer ALL questions****I. Elaborate on:**

Pages	Time	Marks
(Max.)	(Max.)	(Max.)

- | | | | |
|--|----|----|----|
| 1. Define Tracts. Explain in detail about the Classification, Course, termination & function of Pyramidal tract. | 16 | 25 | 15 |
| 2. Name the Pituitary hormones. Describe in detail about action & regulation of ACTH. | 16 | 25 | 15 |

II. Write notes on:

- | | | | |
|---|---|---|---|
| 1. Acromegaly. | 3 | 8 | 5 |
| 2. Characters & Composition of Succus Entericus. | 3 | 8 | 5 |
| 3. Vitamins of B complex. | 3 | 8 | 5 |
| 4. Thyrotoxicosis. | 3 | 8 | 5 |
| 5. Parathyroid with its Hormones. | 3 | 8 | 5 |
| 6. Properties of Nerve fibres. | 3 | 8 | 5 |
| 7. Neurotransmitters. | 3 | 8 | 5 |
| 8. Chemistry, Functions & Deficiency signs of Biotin. | 3 | 8 | 5 |
| 9. Wallerian Degeneration. | 3 | 8 | 5 |
| 10. Glycosuria. | 3 | 8 | 5 |

III. Short Answers

- | | | | |
|--------------------------------------|---|---|---|
| 1. Functions of Thalamus. | 1 | 5 | 2 |
| 2. Define & Types of Receptors. | 1 | 5 | 2 |
| 3. Functions of HCL. | 1 | 5 | 2 |
| 4. Four phases of gastric secretion. | 1 | 5 | 2 |
| 5. Sialorrhoea. | 1 | 5 | 2 |
| 6. Aphasia. | 1 | 5 | 2 |
| 7. Astigmatism. | 1 | 5 | 2 |
| 8. Saltatory Conduction. | 1 | 5 | 2 |
| 9. Vitamin B 12 Functions. | 1 | 5 | 2 |
| 10. Chylomicron. | 1 | 5 | 2 |

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Essay: **(2 x 15 = 30)**

1. Write the hormones secreted from the Adrenal Cortex. Explain Dysfunction of Adrenal cortex.
2. Write the structure and functions of Pyramidal tract and write about Parkinsonism.

II. Short Notes: **(10 x 5 = 50)**

1. Mechanism of muscle contraction.
2. Pancreatic enzymes.
3. Composition of gastric juice.
4. Composition and functions of Saliva.
5. Reflex.
6. Extra pyramidal tract.
7. Roads and cones.
8. Composition and functions of Bile.
9. Functions of Hypothalamus.
10. Hormones of anterior pituitary.

III. Short Answers : **(10 x 2 = 20)**

1. Refractory period of skeletal muscle.
2. Deficiency signs of vitamins D.
3. Classify amino acids.
4. BMR.
5. Broca's Area & its function.
6. Functions of Frontal lobe.
7. Visual Pathway.
8. Sources and requirement of Vitamin D.
9. Functions of Cholesterol.
10. Deficiency signs of Growth hormone.

[LD 1233]

AUGUST 2013

Sub. Code: 1233

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Essay: **(2 x 15 = 30)**

1. Name the hormones secreted by thyroid gland. Describe its Synthesis, Storage, release, transport and regulation of secretion of thyroid hormones and their function.
2. Name the components of Basal ganglia. Give an account its connections, functions and disorders of basal ganglia.

II. Short Notes: **(10 x 5 = 50)**

1. Deglutition reflex.
2. Cushing syndrome.
3. Myasthenia gravis.
4. Mensural cycle.
5. Functions of bile.
6. Enzymes
7. Vit.A
8. CSF
9. Spermatogenesis.
10. Functions of Liver.

III. Short Answers : **(10 x 2 = 20)**

1. Succus entericus.
2. Menopause.
3. Blood Brain Barrier.
4. Thiamine.
5. Jaundice.
6. Babinski's sign
7. Acromegaly.
8. Scurvy
9. Safe period.
10. Pheochromocytoma.

[LE 1233]

FEBRUARY 2014

Sub. Code: 1233

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw a diagram wherever necessary

I. Essay:

(2 x 15 = 30)

1. Define menstruation. Explain in detail about the structural and hormonal changes during menstrual cycle.
2. Define synapse. Describe in detail about the types, functions & properties of synapse.

II. Short Notes:

(10 x 5 = 50)

1. Spermatogenesis.
2. Fat soluble vitamins
3. Pancreatic juice.
4. Kreb's cycle.
5. Functions of Hypothalamus.
6. Fat metabolism.
7. Receptors.
8. Excitation contraction coupling.
9. Gastrointestinal Hormones.
10. Lactation.

III. Short Answers :

(10 x 2 = 20)

1. Cushing's syndrome.
2. Vitamin A – Deficiency.
3. Reflex Arc.
4. Neurotransmitters.
5. Deglutition.
6. Insulin.
7. Contractile proteins.
8. Corpus luteum.
9. Pavlov's pouch.
10. Saltatory conduction.

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw a diagram wherever necessary

I. Essay:

(2 x 15 = 30)

1. Name the hormones secreted by pancreas. Explain functions and regulation of insulin.
2. What are the different types of salivary glands? Describe the composition, function and regulation of secretion of saliva.

II. Short Notes:

(10 x 5 = 50)

1. Saltatory conduction.
2. Functions of placenta.
3. Ovulation.
4. Functions of hypothalamus.
5. Vitamin B12.
6. Neurotransmitters.
7. Functions of stomach.
8. Lactation.
9. Vomiting.
10. Functions of cerebellum.

III. Short Answers :

(10 x 2 = 20)

1. E E G.
2. Corpous leuteum.
3. Wernicks area.
4. Beriberi.
5. Bile pigments.
6. Obesity.
7. Parkinsonism.
8. Diabetics insipidus.
9. Tubectomy.
10. Reflex action.

[LG 1233]

FEBRUARY 2015

Sub. Code: 1233

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

Draw a diagram wherever necessary

I. Essay:

(2 x 15 = 30)

1. Name the hormones secreted by anterior pituitary and describe the physiological actions of each.
2. Describe the composition, functions and mechanism of secretion of gastric juice.

II. Short Notes:

(10 x 5 = 50)

1. Synapses.
2. Functions of limbic system.
3. Neuromuscular junction.
4. Dwarfism.
5. Receptors.
6. Tetany.
7. Menopause.
8. Contraceptive methods.
9. Diabetic mellitus.
10. Reflexes.

III. Short Answers :

(10 x 2 = 20)

1. Mastication.
2. Tracts.
3. Infertility.
4. Testosterones.
5. Bile salts.
6. Myxodema.
7. Pancreatic juices.
8. Brocas area.
9. Safe periods.
10. Puberty.

[LH 1233]

AUGUST 2015

Sub. Code: 1233

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER VI – PHYSIOLOGY - II

Q.P. Code: 581233

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

Draw diagram wherever necessary

I. Essay Questions:

(2 x 15 = 30)

1. Draw the pyramidal tract and explain its course and the functions.
2. Describe the composition, functions, mechanism and regulations of secretion of Pancreatic juice.

II. Write notes on:

(10 x 5 = 50)

1. Functions of bile.
2. Ovulation.
3. Synapse.
4. Enzymes.
5. Anti diuretic hormone.
6. Neuro muscular junction.
7. Liver function test.
8. Gluconeogenesis..
9. Hypothyroidism.
10. Cerebro-spinal fluid.

III. Short answers:

(10 x 2 = 20)

1. Sperm.
2. Saliva.
3. Neuron.
4. Essential amino acids.
5. Myosin.
6. Ketone bodies.
7. Wallerian degeneration.
8. Peristalsis.
9. Acromegaly.
10. Babinski's sign.

FIRST B.H.M.S. DEGREE EXAMINATION**PAPER VI – PHYSIOLOGY - II***Q.P. Code : 581233***Time: Three Hours****Maximum : 100 Marks**

Answer All questions
Draw diagram wherever necessary

I. Essay Questions:**(2 x 15 = 30)**

1. What are the various lobes of the cerebral cortex? Describe their areas and functions. Add a note on the frontal lobe syndrome.
2. Describe the synthesis, storage, functions, and regulations of thyroid hormones. Explain dysfunctions of thyroid gland.

II. Write Notes on:**(10 x 5 = 50)**

1. Carbohydrate metabolism.
2. Pancreatic juice.
3. Hormones of adrenal medulla.
4. Blood brain barrier.
5. Pregnancy test.
6. Functions of bile.
7. Types of Synapse.
8. Stages of Spermatogenesis.
9. B – Complex vitamins.
10. Cushing syndrome.

III. Short Answers on:**(10 x 2 = 20)**

1. Wallerian degeneration.
2. Essential Amino acids.
3. Define vasectomy.
4. Peristaltic movements.
5. Types of Diabetes mellitus.
6. What are Ketone Bodies?
7. Functions of Limbic system
8. Major salivary glands.
9. Define Menopause.
10. Vitamin A – Deficiency.

FIRST B.H.M.S. DEGREE EXAMINATION

PAPER VI – PHYSIOLOGY - II

Q.P. Code : 581233

Time: Three Hours

Maximum : 100 Marks

**Answer All questions
Draw diagram wherever necessary**

I. Essay Questions: (2 x 15 = 30)

1. Write the hormones secreted by the pituitary gland. Explain in detail about functions and disorders of growth hormone.
2. Enumerate the Ascending tracts of Spinal cord. Explain in detail about the course, termination, and functions of Spinothalamic tract.

II. Write Notes on: (10 x 5 = 50)

1. Myoneural junction.
2. Metabolism of protein.
3. Deglutition reflex.
4. Phases of menstrual cycle.
5. Functions of thalamus.
6. Autonomic nervous system.
7. Iron – Biochemical functions and deficiency.
8. Functions of cerebrospinal fluid.
9. Functions of thyroid hormones.
10. Short note on Vitamin A.

III. Short Answers on: (10 x 2 = 20)

1. Types of sleep.
2. Normal sperm count.
3. Contractile proteins.
4. Tactile receptors.
5. Law of one way conduction.
6. Sham feeding.
7. Glycogen storage.
8. Broca's area.
9. Bile salts.
10. Motion sickness.