

FIRST B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER V – PHYSIOLOGY - II

Q.P. Code : 581505

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Enumerate descending tracts of Spinal cord. Explain in detail the origin, course, termination, function and effect of lesion of the Pyramidal tract.
2. Name the hormones secreted by the Pituitary gland. Explain in detail about the functions and disorders of growth hormone.

II. Write Notes on:

(10 x 5 = 50)

1. Cerebrospinal fluid.
2. Actions of testosterone.
3. Vitamin D.
4. Composition and functions of Saliva.
5. Colour blindness.
6. Movements of stomach.
7. Cholesterol biosynthesis.
8. Cretinism.
9. Composition and functions of Bile.
10. Basal ganglia – components and disorders.

III. Short Answers on:

(10 x 2 = 20)

1. Adrenocortical hormones.
2. Cutaneous receptors.
3. Insulin.
4. Tests for hearing.
5. Define B.M.R.
6. Essential fatty acids.
7. Wernicke's area.
8. Bile salts.
9. Placental Hormones.
10. Lipoproteins.

[LJ 1505]

DECEMBER 2016

Sub.Code :1505

FIRST B.H.M.S. DEGREE EXAMINATION - SUPPLEMENTARY
(New Regulation – From 2015-2016 Batch onwards)

PAPER V – PHYSIOLOGY - II

Q.P. Code : 581505

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Define menstruation. Briefly describe the ovarian and uterine changes during menstruation.
2. Describe the composition, function and regulation of secretion of Pancreatic juice.

II. Write Notes on:

(10 x 5 = 50)

1. Functions of Hypothalamus.
2. Synapse.
3. Vitamin A.
4. Visual pathway.
5. Krebs cycle
6. Tetany.
7. Glands of stomach.
8. Synthesis of Thyroid Hormones.
9. Wallerian Degeneration.
10. Tracts of Goll and Burdach.

III. Short Answers on:

(10 x 2 = 20)

1. Reflex arc.
2. Obesity.
3. Pheochromocytoma.
4. Goitrogens.
5. Anti Diuretic Hormone.
6. Ketone bodies.
7. Internal capsule.
8. Blood brain barrier.
9. Taste buds.
10. Bile salts.

FIRST B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER V – PHYSIOLOGY - II

Q.P. Code : 581505

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Explain the composition and functions of Gastric juice and give an account of Hormonal regulation of Gastric secretion.
2. Name the hypothalamic nuclei. Explain the connections, Functions and effects of lesions of hypothalamus.

II. Write Notes on:

(10 x 5 = 50)

1. Hexose Mono Phosphate Pathway.
2. Receptors.
3. Sources, Functions and deficiency disorders of Vitamin-D.
4. Tests for hearing.
5. Ptyalin.
6. Tetany.
7. Lactation. Add a note on the effect of Lactation on Menstrual cycle.
8. Hypothyroidism.
9. Placenta and its functions.
10. Disorders of Anterior pituitary gland.

III. Short Answers on:

(10 x 2 = 20)

1. Insulin.
2. Diabetes insipidus.
3. Addisonian crisis.
4. Broca's Area.
5. Corpus luteum.
6. Essential Amino acids.
7. Contractile Proteins.
8. Menopause.
9. Rods and cones.
10. Pellagra.

FIRST B.H.M.S. DEGREE EXAMINATION
(Supplementary Examination)

PAPER V – PHYSIOLOGY - II

Q.P. Code : 581505

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Enlist the hormones secreted by Pancreas. Explain the Functions and Regulations of secretion of Insulin.
2. Draw a Diagram of visual pathway and explain it. Indicate the effects of lesions at different levels of optic pathway.

II. Write Notes on:

(10 x 5 = 50)

1. Colour blindness.
2. Protein Energy Malnutrition.
3. Functions of Basal Ganglia.
4. Parturition.
5. Synapse and its classification.
6. Parathormone.
7. Liver Function test.
8. Vitamin – D.
9. Olfactory Pathway.
10. Cushing syndrome.

III. Short Answers on:

(10 x 2 = 20)

1. Sarcomere.
2. Bile pigments.
3. Contraception.
4. Basal Metabolic Rate.
5. Babinski's sign.
6. Gastric Emptying.
7. Electroencephalogram.
8. Anti – Stress hormones.
9. Thiamine.
10. Puberty.

[LL 1505]

OCTOBER 2017

Sub. Code: 1505

FIRST B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER V – PHYSIOLOGY - II

Q.P. Code : 581505

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Write the hormones secreted from the Adrenal Cortex. Explain Dysfunction of Adrenal cortex.
2. Explain Menstrual cycle?

II. Write Notes on:

(10 x 5 = 50)

1. Liver Functions Test.
2. TCA cycle.
3. Myxoedema.
4. Enzymes.
5. Jaundice.
6. Gastric emptying.
7. Physiology of sleep.
8. Functions of cerebellum.
9. Gastrointestinal Hormones.
10. Digestion and absorption of protein.

III. Short Answers on:

(10 x 2 = 20)

1. Brocas area.
2. Kernicterus.
3. Aphasia.
4. Functions of Frontal lobe.
5. Scurvy.
6. Reflex Arc.
7. Deglutition.
8. Obesity.
9. Tubectomy.
10. Pancreatic juices.

[LL 1505]

DECEMBER 2017

Sub. Code: 1505

FIRST B.H.M.S. DEGREE EXAMINATION
(Supplementary Examination)

PAPER V – PHYSIOLOGY - II

Q.P. Code : 581505

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Describe the functions of small Intestine and its various movements.
2. Define the nuclei and functions of the Hypothalamus.

II. Write Notes on:

(10 x 5 = 50)

1. Functions of Placenta.
2. Functions of CSF.
3. Growth Hormone.
4. Sources, functions and deficiency of Vitamin C.
5. Myasthenia gravis.
6. Saltatory conduction.
7. Functions of thalamus.
8. Bile and its function.
9. Pavlov's pouch.
10. Auditory pathway.

III. Short Answers on:

(10 x 2 = 20)

1. Ketone bodies.
2. Neuro muscular junction.
3. Propagation of nerve impulse.
4. Mastication.
5. Menopause.
6. Babinski sign.
7. Safe period.
8. MTP.
9. Diabetes Mellitus.
10. Define and Types of Receptors.

FIRST B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER V – PHYSIOLOGY - II

Q.P. Code : 581505

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. Enumerate the descending tracts of spinal cord. Describe in detail the pyramidal tracts. Write a note on effects of upper motor neuron and lower motor neuron lesions.
2. Describe the Synthesis, storage, release, transport, Functions and regulation of secretion of thyroid hormones.

II. Write Notes on:

(10 x 5 = 50)

1. Fetal circulation.
2. Secondary sexual characters in males.
3. Basal ganglia.
4. Gluconeogenesis.
5. Vomiting.
6. Limbic System.
7. Errors of Refraction.
8. Hormonal Regulation of Menstrual cycle.
9. Synapse.
10. Organ of corti.

III. Short Answers on:

(10 x 2 = 20)

1. Rickets.
2. Peristalsis.
3. Ovulation.
4. Tests for hearing.
5. Two differences between liver bile and gall bladder bile.
6. Contraceptive methods in Females.
7. Enterohepatic circulation.
8. Olfactory pathway.
9. Cholecystokinin.
10. Corpus luteum.

[LN 1505]

OCTOBER 2018

Sub. Code: 1505

FIRST B.H.M.S. DEGREE EXAMINATION
(New Regulation – From 2015-2016 Batch onwards)

PAPER V – PHYSIOLOGY - II

Q.P. Code : 581505

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Essay Questions:

(2 x 15 = 30)

1. What is Menstrual cycle? Explain in detail about structural and hormonal changes during Menstrual cycle.
2. Define Glycolysis. Explain an aerobic glycolysis with its energetic and regulation.

II. Write Notes on:

(10 x 5 = 50)

1. Lipoproteins.
2. Movements of Stomach.
3. Functions of Oestrogen.
4. Synthesis of thyroid hormones.
5. Actions of Catecholamines.
6. Cerebrospinal Fluid – Formation, Circulation and Function.
7. Functions of cerebellum.
8. Disorder of Speech.
9. Oxytocin – its secretion and actions.
10. Succus entericus.

III. Short Answers on:

(10 x 2 = 20)

1. Neurotransmitters.
2. Mastication.
3. Aldosterone escape.
4. Ketone bodies.
5. Saltatory Conduction.
6. Chylomicron.
7. Safe period.
8. Blood Brain Barriers.
9. Functions of HCL.
10. Neuroendocrine reflex.
