

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 1124]

NOVEMBER 2024

Sub. Code: 1605

(SUPPLEMENTARY SESSION EXAMINATION)

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

(For the candidates admitted from the academic year 2022-2023 onwards)

PAPER V – (HomUG-PB) HUMAN PHYSIOLOGY AND BIOCHEMISTRY - II

Q.P. Code: 581605

Maximum: 100 Marks (90 Theory + 10 MCQS)

Time: Three Hours

Answer ALL questions

II. Short Answer Questions:

(8x5=40)

1. Describe the formation and secretion of Thyroid hormone.
2. Give a brief note on the functions of Cortisol.
3. Describe the functions of Thalamus.
4. Explain the origin, course, termination and functions of Posterior column tract.
5. Explain the functions of Liver.
6. Name the Placental hormones and explain the functions in brief.
7. Describe the different types of Refractory errors.
8. Give a brief note on Urea cycle.

III. Long Answer Questions:

(5x10=50)

1. List the hormones of anterior pituitary gland and explain the functions and regulation of growth hormone.
2. Explain the connections and functions of Cerebellum.
3. List the composition of Saliva. Explain the functions and regulation of secretion of Saliva.
4. List the Ovarian hormones and describe its function.
5. Explain Auditory Pathway with a diagram.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0325]

MARCH 2025

Sub. Code: 1605

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

(Candidates admitted for the academic year 2023-2024 batch)

(New Regulation - 2022-2023)

PAPER V – (HomUG-PB) HUMAN PHYSIOLOGY AND BIOCHEMISTRY - II

Q.P. Code: 581605

Maximum: 100 Marks (90 Theory + 10 MCQS)

Time: Three Hours

Answer ALL questions

II. Short Answer Questions:

(8x5=40)

1. Movements of large intestine - Discuss.
2. Properties of synapse - Discuss.
3. Discuss the changes during menopause.
4. Mention common Vitamin deficiencies.
5. Function of limbic system - Discuss.
6. Physiology of Olfaction - Discuss.
7. Discuss the Secretion of posterior Pituitary hormones.
8. Explain the effects of altered secretion of Adrenal cortex hormone.

III. Long Answer Questions:

(5x10=50)

1. Growth Hormone in detail.
2. Connections and Function of Cerebellum in detail.
3. Explain the Composition and Function of Succus Entericus.
4. Explain the Different types of Refractive Errors.
5. Describe the function of Testis. Explain the process of Spermatogenesis and factors affecting it.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BHMS 0725]

JULY 2025

Sub. Code: 1605

(SUPPLEMENTARY EXAMINATION)

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

(New Regulation –From 2022-2023 Batch onwards)

PAPER V – (HomUG-PB) HUMAN PHYSIOLOGY AND BIOCHEMISTRY - II

Q.P. Code: 581605

Maximum: 100 Marks (90 Theory + 10 MCQS)

Time: Three Hours

Answer ALL questions

II. Short Answer Questions:

(8x5=40)

1. Explain the action and regulation of Insulin.
2. Differentiate Dwarfism and Cretinism.
3. Explain the Reflex arc and classify Reflex.
4. Describe the functions of Basal ganglia.
5. Discuss the movements of Stomach.
6. Discuss the factors affecting Spermatogenesis.
7. Discuss the physiology of olfaction.
8. Explain the process of Glycolysis.

III. Long Answer Questions:

(5x10=50)

1. Discuss the role of Ovary as an endocrine gland. List the hormones secreted by Ovary.
2. Define Synapse. Explain the electrical events occurring at Synapse and discuss the properties of Synapse.
3. List the Composition and explain the functions and regulation of Pancreatic juice.
4. Describe the Synthesis, Secretion, Function and Regulation of thyroid hormones.
5. Describe the visual pathway with a diagram.
