

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

[BHMS 0922]

**SEPTEMBER 2022
(DECEMBER 2021 EXAM SESSION)**

Sub. Code: 1505

**B.H.M.S. DEGREE EXAMINATION
FIRST YEAR - SUPPLEMENTARY
(New Regulations – from 2015-2016 batch onwards)
PAPER V – PHYSIOLOGY – II**

Q.P. Code : 581505

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Essay Questions:

(2 x 15 = 30)

1. Explain in detail about the structure and functions of Thalamus.
2. Name the hormones secreted by the Pituitary gland. Describe the actions and regulation of secretion of growth hormone. Add a note on hyper and hypo secretion of growth hormone.

II. Write Notes on:

(10 x 5 = 50)

1. Cerebrospinal fluid-composition, circulation and functions.
2. Vitamin-D - Sources, daily requirement and deficiency manifestations.
3. Ovarian changes during menstruation.
4. Composition, functions and regulation of secretion of gastric juice.
5. Summarize the Glycolytic pathway with its energetic.
6. Cretinism-causes, clinical features, screening tests.
7. Briefly explain the movements of small intestine.
8. Composition and functions of bile.
9. Components and disorders of basal ganglia.
10. Layers of Retina.

III. Short Answers on:

(10 x 2 = 20)

1. Adrenocortical hormones.
2. Cutaneous receptors.
3. Insulin.
4. Tests for hearing.
5. Define BMR.
6. Name the gastrointestinal hormones.
7. Wernicke's area.
8. Name the major salivary glands and its ducts.
9. Lipoproteins.
10. Ptyalin.
