

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

**[BHMS 0523]**

**MAY 2023  
(DECEMBER 2022 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. Name the hormones secreted by the Pancreas. Explain in detail about the functions and regulations of secretion of Insulin.
2. Describe the composition, functions and regulation of secretion of Gastric juice.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Tetany.
2. Functions of Hypothalamus.
3. Define Ovulation and tests for Ovulation.
4. Krebs's cycle.
5. Synapsis and its classification.
6. Tests of hearing.
7. Jaundice.
8. Liver function tests.
9. Sources, functions and deficiencies of Vitamin D.
10. Contraception.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Taste buds.
2. Diabetes Insipidus.
3. Bile salts.
4. Pellagra.
5. Ketone bodies.
6. Sarcomere.
7. Rods and Cons.
8. Internal capsule.
9. Receptors.
10. Goitrogens.

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