

[LP 1505]

OCTOBER 2019

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. Explain the composition, mechanism of secretion, functions and regulation of secretion of gastric juice.
2. Name the hypothalamic groups of nuclei. Explain the functions and effect of lesion of hypothalamus.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Explain the mechanism of second stage of deglutition.
2. Vitamin-C- sources, daily requirement and deficiency manifestations.
3. Spermatogenesis-stages and its regulation.
4. Cushing's syndrome- causes, symptoms and diagnosis.
5. Describe the reactions of urea cycle and its significance.
6. Parkinsonism-causes and features.
7. Mechanism of hearing.
8. Hypothyroidism.
9. Errors of refraction.
10. Female contraception.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Essential amino acids.
2. Catecholamines.
3. Cerebellar nuclei.
4. Chylomicrons.
5. Babinski's sign.
6. Pancreatic hormones.
7. Broca's area.
8. Enzymes.
9. Structure of neuron.
10. Gigantism.

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