

FIRST B.H.M.S
EXAMINATION - 2018 - Jan
PHYSIOLOGY & BIOCHEMISTRY PAPER - II (New Syllabus)

100 Mark**3 Hours****Instructions:**

1. Attempt all questions from each section
2. Figures to the right indicate full marks
3. Draw figure wherever necessary.
4. Write separate sections on separate answer sheets.

Section I

- Q-1 Define TRACT. Describe pyramidal tract with diagram. **OR** 15
- Q-1 Describe digestion and absorption of carbohydrates in detail. 15
- Q-2 Write definition and types of synapse. Explain properties of synapse in detail. 15

OR

- Q-2 a. Define receptor. Classify them. Describe their properties. 08
 b. Describe functions and regulation of pancreatic juice. 07
- Q-3 Write short notes (any three) 15
- a. Difference between UMN & LMN lesions.
 - b. Limbic system
 - c. Mechanism of HCL secretion by parietal cells of gastric gland.
 - d. Succus entericus
 - e. Taste buds
- Q-4 Give answer in one to two sentences. 05
- a. What do you mean by neuroglia?
 - b. Define accommodation.
 - c. Which are the components of basal ganglia?
 - d. What is the role of ptyalin?
 - e. Define deglutition reflex and mentions the stages of its.

Section II

- Q-1 Enumerate hormones secreted from pituitary gland. Describe in detail about Growth hormone. 15
- OR**
- Q-1 Define Oogenesis. Describe in detail about ovarian changes occurs during menstrual cycle. 15
- Q-2 Enumerate hormones secreted from thyroid gland. Describe in detail synthesis of thyroid hormone and describe disorder of thyroid gland. **OR** 15
- Q-2 a. Functions of aldosterone in detail. 08
 b. Spermatogenesis. 07
- Q-3 Write short notes (any three) 15
- a. Cushing's syndrome
 - b. Contraceptive method
 - c. Vit. A
 - d. Gluconeogenesis
 - e. Balance diet
- Q-4 Give answer in one to two sentences. 05
- a. Define puberty
 - b. Name the hormones secreted by gonads.
 - c. Which are the sources of vit? D?
 - d. What do you mean by translation?
 - e. Define cryptorchidism.