

FIRST BHMS (NEW SYLLABUS)
Physiology and Biochemistry - Paper II

Time: - 3 Hrs.

100 Marks

Instructions:- [1] All the Questions are compulsory.
 [2] Write the Both Sections in Separate answer Book.

[3] Draw Diagrams where ever Necessary.
 [4] Figures to the right indicate full Marks

Section - I

Q-1 Enumerate different ascending tracts of spinal cord. Described in detail origin, course, & termination of anterior spinothalamic tract. 15

OR

Q-1 Described composition, functions, & mechanism of secretion of gastric juice. 15

Q-2 Write about Tract of Gall & Burdach in detail. 15

OR

Q-2 1. Receptor (Definition, classification & properties) 07

2. Carbohydrates (Definition, classification & digestion) 08

Q-3 Write Short Note (Any three) 15

(a) Anterior vestibulospinal tract (b) Composition & functions of saliva

(c) Proprioceptors (d) Taste pathway

(e) Gastrointestinal hormones

Q-4 Write short questions. 05

1. What is wallerian degeration?

2. Define synapse

3. Name the receptors of auditory sensation? Where is it situated?

4. Define Deglutition

5. Composition of succus entericcus

Section - II

Q-1 Enumerate hormones secreted from adrenal cortex. Explain source, chemistry, functions, mode of action & regulations of secretion of aldosterone 15

OR

Q-1 Define spermatogenesis. Described stages of it's. Explain functions of testosterone. 15

Q-2 Described the synthesis, storage, release, transport, functions & regulation of secretion of thyroid hormone. 15

OR

Q-2 1. Glucagon(Source, chemistry, action, & regulation) 08

2. Contraceptive methods in female. 07

Q-3 Write Short Note (Any three) 15

(a) Difference between Acromegaly & Gigantism

(b) Vit.A

(c) Corpus luteum

(d) Essential amino acids

(e) Glycolysis

Q-4 Write short questions. 05

1. Define lipid

2. Enumerate hormones secreted from pituitary gland

3. Define parturition

4. What is scurvy?*

5. What is enzyme?