

20 DEC 2019

10195

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. Describe in detail origin, course and termination of Lateral spinothalamic tract. 15
- OR**
- Q-1 Describe composition, functions & regulations of secretion of salivary juice. 15
- Q-2 Enumerate functions of hypothalamus and explain any two functions in detail. 15
- OR**
- Q-2 1. Synapse (definition, classification, & function) 08
2. Define lipid. Describe digestion & absorption of lipids. 07
- Q-3 Write Short Note (Any three) 15
(a) CSF (b) Define reflex. Describe reflex arc
(c) Deglutition (d) Auditory pathway
(e) Function of pancreatic juice
- Q-4 Write short questions. 05
1. What is retrograde degeneration?
2. What is neuroglia? Which are?
3. Name the receptor of vision? Where is it situated?
4. Define mastication.
5. Function of Gastrin.

Section - II

- Q-1 Enumerate hormone secreted from anterior pituitary gland. Describe source, chemistry, actions and regulations of growth hormone in detail. 15
- OR**
- Q-1 Define menstrual cycle. Duration of menstrual cycle. Describe uterine changes occurring during menstrual cycle in detail. 15
- Q-2 Define hormone. Classify them on the basis of chemical nature. Explain mechanism of hormonal action 15
- OR**
- Q-2 1. Insulin (source, chemistry, mode of action & function) 08
2. Describe Gametogenic function of testis. 07
- Q-3 Write Short Note (Any three) 15
(a) Dwarfism (b) Vit. B12
(c) Functions of placenta (d) Cori cycle
(e) Lipoprotein
- Q-4 Write short questions. 05
1. What is safe period?
2. Define tickets.
3. Enumerate hormone secreted from adrenal medulla
4. Define BMR
5. What is gluconeogenesis?