

31 DEC 2018

10195
FIRST BHMS EXAMINATION
OCTOBER-2018
Physiology & Biochemistry
Paper II

Duration: 3 Hrs.

100 Marks

Instruction:

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

Section - I

- Q-1 Enumerate functions of hypothalamus. Explain any two functions in detail. 15
- OR
- Q-1 Describe composition, functions and regulation of secretion of salivary juice. 15
- Q-2 What are the functions of liver? Describe role of bile salts in digestion & reabsorption of fat in small intestine 15
- OR
- Q-2 1. Define synapse. Classify them. Describe their properties in detail. 08
2. Movements of small intestine 07
- Q-3 Write Short Note (Any three) 15
- (a) Spinothalamic tracts (b) CSF
- (c) Deglutition (d) Rods and cons
- (e) Mechanism of HCL secretion
- Q-4 Short question 05
1. Define accommodation.
 2. Define reflex arch
 3. What is wallerian degeneration?
 4. Name the proteolytic enzyme present in gastric juice.
 5. Define lipids.

Section - II

- Q-1 Define hormone. Enumerate hormones secreted by adrenal cortex and describe physiology of Glucocorticoids. 15
- OR
- Q-1 Define spermatogenesis. Describe in detail it. Draw and describe structure of the sperm. 15
- Q-2 Describe in detail functions and regulation of Testosterone. 15
- OR
- Q-2 1. Define menstrual cycle. Describe ovarian changes occur during menstrual cycle 08
2. Functions of growth hormone in detail. 07
- Q-3 Write Short Note (Any three) 15
- (a) Kwashiorkor (b) Vit. D
- (c) steps of synthesis of thyroid hormone. (d) Krebs's cycle
- (e) Secondary sexual changes occurring during puberty in female.
- Q-4 Short question 05
1. What is enzyme?
 2. Which are the sources of Vit A?
 3. Define BMR
 4. Define menarche
 5. Name the fat-soluble hormone (any one)