

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 Name different descending tracts. Describe in detail Pyramidal tract. 15
- OR
- Q-1 Describe the composition, functions and mechanism of secretion of gastric juice. 15
- Q-2 Describe digestion and absorption of carbohydrate in detail 15
- OR
- Q-2 1. Name the salivary glands. Composition and functions of saliva 07
2. Define receptor. Write classification and properties of receptors. 08
- Q-3 Write Short Note (Any three) 15
- (a) Taste buds (b) Reflex arch
(c) Defecation (d) Tract of Gall & Burdach
(e) Functions of bile.
- Q-4 Short question 05
1. Name the bile pigments
 2. Define peristalsis
 3. Visual sensation is carried by which nerve?
 4. Define neuron. Enumerate types of neuron.
 5. What is full form of EPSP and IPSP?

Section - II

- Q-1 Define menstrual cycle. Describe ovarian and uterine changes during menstrual cycle. 15
- OR
- Q-1 Name the hormones secreted from pancreas. Explain role played by insulin in regulation of blood sugar level. 15
- Q-2 Enumerate secretions responsible for calcium homeostasis. Discuss physiology of parathyroid hormones. 15
- OR
- Q-2 1. Define hormone. Classify them on the basis of chemical structure. 08
2. Contraceptives. 07
- Q-3 Write Short Note (Any three) 15
- (a) Cretinism (b) Scurvy
(c) Difference between IDDM & NIDDM (d) Balance diet
(e) Spermatogenesis
- Q-4 Short question 05
1. What is Goiter?
 2. Name the hormones secreted by gonads.
 3. Rickets occurs due to deficiency of which vitamin?
 4. What do you mean by Glycolysis?
 5. What is full form of G6PD?