

10195
FIRST B.H.M.S.
EXAMINATION
PHYSIOLOGY & BIOCHEMISTRY PAPER-II

Time: 3 hours

Total Marks: 100

INSTRUCTIONS: 1. ANSWER EACH QUESTION ON NEW PAGE.
2. DRAW DIAGRAMS WHEREVER NECESSARY.

SECTION I

- Q-1 What is the different types of salivary glands? Describe the composition, functions and regulations of secretion of saliva. 15
- OR
- Q-1 Write short notes. 15
1. Deglutition
 2. Functions of gastric juice
 3. Difference between liver bile and gall bladder bile
- Q-2 Describe endocrine functions of pancreas in detail 15
- OR
- Q-2 Write short notes. 15
1. Gigantism
 2. ADH
 3. Hormones regulating calcium homoeostasis
- Q-3 Write short notes (any four) 20
1. Glucocorticoids
 2. Marasmus
 3. Cori cycle
 4. Glycolysis
 5. Rickets
 6. Vitamin C

SECTION II

- Q-1 Describe synapse in detail. (Definition, Classification, Events occurring at synapse, properties of synapse) 15
- OR
- Q-1 Write short notes. 15
1. Functions of thalamus
 2. Pyramidal tracts
 3. CSF
- Q-2 Define menstrual cycle. Describe ovarian changes and uterine changes during menstrual cycle. 15
- OR
- Q-2 Write short notes. 15
1. Functions of placenta
 2. IUCD
 3. Secondary sexual characters in male
- Q-3 Write short notes (any four) 20
1. Difference between graded potential and action potential
 2. Neuron
 3. Spermatogenesis
 4. Olfactory pathway
 5. Taste buds
 6. Retina