

5 MAY 2023

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 Describe exocrine function of pancreas in detail. 15
- OR
- Q-1 Write short notes. 15
1. Vomiting
  2. Functions of gastric juice
  3. Peristalsis
- Q-2 Describe endocrine functions of pancreas in detail 15
- OR
- Q-2 Write short notes. 15
1. Gigantism
  2. Oxytocin
  3. Hormones regulating calcium homeostasis
- 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. Receptors
  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 testosterone
  2. IUCD
  3. Menopause
- Q-3 Write short notes (any four) 20
1. Difference between graded potential and action potential
  2. Neuron
  3. Placenta
  4. Olfactory pathway
  5. Taste buds
  6. Error of refraction