

1 4 MAR 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 What are the functions of liver? Describe the role of bile salts in digestion and absorption of fat in small intestine. **15**
- OR**
- Q – 1 **Write short notes.** **15**
1. Deglutition
 2. Functions of saliva
 3. Succus entericus
- Q – 2 Describe synthesis, secretion, function and regulation of thyroid hormones in detail. **15**
- OR**
- Q – 2 **Write short notes.** **15**
1. Insulin
 2. ADH
 3. PTH
- Q – 3 **Write short notes (any four)** **20**
1. Kwashiorkor
 2. Saturated v/s non-saturated fatty acids
 3. Gluconeogenesis
 4. Urea cycle – only steps
 5. Functions of growth hormone
 6. Vitamin A

SECTION - II

- Q – 1 Describe Pyramidal tract in detail. **15**
- OR**
- Q – 1 **Write short notes.** **15**
1. Functions of hypothalamus
 2. Reflex arc
 3. CSF
- Q – 2 Describe spermatogenesis in detail. Describe functions of testosterone. **15**
- OR**
- Q – 2 **Write short notes.** **15**
1. Graffian follicle
 2. Infertility
 3. Progesterone
- Q – 3 **Write short notes (any four)** **20**
1. Placenta
 2. Synapse
 3. Neuroglia
 4. Organ of corti
 5. Rods and cons
 6. Olfactory pathway