

7 MAR 2024

10194

FIRST B.H.M.S.
EXAMINATION

PHYSIOLOGY & BIOCHEMISTRY PAPER-I

Time: 3 hours

Total Marks: 100

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

SECTION - I

Q – 1 Define blood pressure. Types of blood pressure. Describe in detail regulations of blood pressure. 15

OR

Q – 1 Write short notes. 15
1. Diastolic phase of cardiac cycle
2. Heart sounds
3. Factors maintaining cardiac output

Q – 2 Define blood coagulation. Enumerate name of coagulation factors. Describe in detail extrinsic pathway of blood coagulation. 15

OR

Q – 2 Write short notes. 15
1. Plasma protein
2. Phagocytosis
3. Hemoglobin

Q – 3 Write short notes (any four) 20
1. Osmosis
2. Acid base balance
3. Cell membrane
4. Pacemaker
5. Cellular immunity
6. Bone marrow

SECTION - II

Q – 1 Explain in detail the transport of Carbon dioxide (CO₂) in blood. 15

OR

Q – 1 Write short notes. 15
1. Compliance
2. Dead space
3. Respiratory center

Q – 2 Physiology of Micturition. 15

OR

Q – 2 Write short notes. 15
1. Factors affecting on GFR
2. Juxtaglomerular apparatus
3. Types of Nephrons.

Q – 3 Write short notes (any four) 20
1. Spirometry
2. Water reabsorption
3. Sarcomere
4. Structure of skin
5. Heat balance
6. Neuro muscular junction