

2/11

1705N496

Candidate's Seat No : _____

BSc Sem.-4 Examination

CC-205

Bio-Chemistry

May-2025

Time : 2-30 Hours]

[Max. Marks : 70

- Q.1 a. Explain respiratory acidosis and alkalosis 6
- b Discuss saturation curve of Haemoglobin 7
- C Define External respiration 1
- OR
- Q.1 a. Explain Bohrs effect 5
- b Discuss transport of respiratory gases 9
- Q.2 a Discuss compositions, secretion and regulation of gastric juice 7
- b. Write a note on role of protein spitting enzyme in digestion and absorption 7
- OR
- a Explain Composition of Bile and Pancreatic juice 6
- b Note on Intestinal Putrefaction 8
3. a. Write a note on Abnormal constituents of urine 6
- b Give role of Aldosterone 2
- C Explain Tubular load and plasma clearance 6
- OR
- a. Explain mechanism formation of Concentrated urine 6
- b Write a note on active and passive transport of sugar and creatinine in kidney 6
- C Draw structure of Juxtamedullary nephron 2

(P.T.O)

- Q.4 a. Explain clinical importance of Blood groups and Grouping system 7
b Write function and properties of Haemoglobin 7

OR

- a, Explain intrinsic and extrinsic pathways of blood clotting 8
b Discuss hazards of incompatible blood transfusion 6

5. Write answers of ANY SEVEN 14

1. Define TV, RV IRV and ERV
 2. Define the term inhalation and exhalation
 - 3 What is Chloride bicarbonate shift
 - 4 Name two factors that affects diffusion of gases
 5. Give two role of saliva in digestion
 6. Name carbohydrate splitting enzymes in digestion
 - .7. Why bile is important in lipid digestion
 8. Define GFR
 9. Give two role of RBC
 10. Define Haematopoiesis
 11. Define ESR
 - 12 Give composition of blood
-