

Q.P. Code: MBB106**M.B.B.S. [1st Prof.]**

BF/2016/11

Physiology – B

M.M. : 50

Time : 3 Hours

- Note: 1. Attempt all questions. Illustrate your answer with suitable diagrams.
2. ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.
3. **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED**
4. **The student must write Q.P. Code in the space provided on the Title page of the Answer Book.**

PART - I

1. What is the composition of gastric juice and describe its regulation. [2+6]
2. **Describe in brief:-**
 - a. Role of counter current system in dilution and concentration of urine. [5]
 - b. Transport of CO₂ in blood. [3]
3. **Write short notes on:-**
 - a. Secondary active transport. [3]
 - b. Phagocytosis. [3]
 - c. Loop diuretics. [3]

PART – II

4. Define shock, give its classification and describe hypovolemic shock. [1+2+5]
 5. **Describe in brief:-**
 - a. Handling of H⁺ ions by tubule. [5]
 - b. Donnan membrane equilibrium. [4]
 6. **Explain why?**
 - a. Patients of chronic renal disease have anaemia. [2]
 - b. O +ive blood cannot be transfused repeatedly in a patient of AB +ive blood group. [2]
 - c. Tongue is not affected in peripheral cyanosis. [2]
 - d. Immunity is reduced in AIDS. [2]
-