

School of Basic and Applied Sciences

Microbiology
ETE - Jun 2024

Time : 3 Hours

Marks : 100

Sem II - C2UC201B - Biochemistry and Physiology

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. What is the composition of disaccharides and explain how the monosaccharide units are joined in their structures K1 CO1 (5)
2. Give physiological basis of Lactose intolerance K2 CO2 (5)
3. Explain the structure and functions of different type of RNAs K1 CO1 (5)
4. Illustrate the urea cycle with clinical significance. K2 CO2 (10)
5. Discuss about ABO blood grouping with Rh factor importance. K3 CO3 (10)
6. Illustrate the neuron structure and resting membrane potential. K4 CO4 (10)
- 7) Discuss about pulmonary ventilation. K3 CO3 (10)

OR

- Discuss about protein digestion and absorption K3 CO3 (10)
8. Discuss the mechanism of urine formation K3 CO3 (15)
 9. Explain about the components of blood and their function. K4 CO4 (15)
 - 10) Discuss about the biological importance of Krebs cycle with enzyme function of each step. K4 CO4 (15)

OR

- How your body will manage for getting energy when you're at fasting. Discuss the various metabolic reactions. K4 CO4 (15)