

School of Medical and Allied Sciences

Pharmacy
ETE - Jun 2023

Time : 3 Hours

Marks : 75

Sem II - BP203T/BPHT2003

Biochemistry Theory

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- | | | |
|-----|---|------------|
| 1. | What is reducing and non-reducing sugars | K1 CO1 (2) |
| 2. | Summarize the urea cycle and its disorders. | K2 CO2 (2) |
| 3. | What is the concept of free energy. | K1 CO4 (2) |
| 4. | Explain the Thermodynamic | K2 CO4 (2) |
| 5. | Illustrate the oxidative phosphorylation. | K2 CO1 (2) |
| 6. | Explain the application of enzyme immobilization. | K2 CO5 (2) |
| 7. | What fatty liver and obesity. | K1 CO2 (2) |
| 8. | What is Genetic code. | K1 CO3 (2) |
| 9. | What is the Reversible enzyme inhibition. | K1 CO5 (2) |
| 10. | Demonstrate the chemical structure of DNA. | K2 CO3 (2) |
| 11) | Apply your knowledge Glucose-6-Phosphate dehydrogenase (G6PD) deficiency. | K3 CO1 (5) |

OR

- | | | |
|-----|--|------------|
| | Choose the Glycogen metabolism Pathways and glycogen storage diseases (GSD). | K3 CO1 (5) |
| 12. | Simplify the Catabolism of purine nucleotides. | K4 CO3 (5) |
| 13. | Choose the biological significance of cholesterol and conversion of cholesterol into bile acids. | K3 CO2 (5) |
| 14. | Analyze the synthesis and significance of biological substances dopamine and noradrenaline. | K4 CO2 (5) |
| 15. | Apply your knowledge on Hyperuricemia and Gout disease. | K3 CO3 (5) |
| 16) | Simplify the translation or Protein synthesis and inhibitors. | K4 CO3 (5) |

OR

- | | | |
|-----|---|-------------|
| | Analyze the transcription or RNA synthesis. | K4 CO3 (5) |
| 17. | Discuss note on the recent development of biochemistry. | K6 CO6 (5) |
| 18. | Justify the concept of endergonic and exergonic reaction. | K5 CO4 (10) |
| 19) | Discuss the biological importance role of enzyme. | K6 CO5 (10) |

OR

- | | | |
|--|--|-------------|
| | Discuss the Classify the enzyme inhibitors with examples and their diagnostic application. | K6 CO5 (10) |
|--|--|-------------|