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School of Biological and Life sciences

Bachelor of Science Honours in Biomedical Science

Semester End Examination - Nov 2023

Duration : 180 Minutes

Max Marks : 100

Sem V - C2UA502T - Medical BiochemistryGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Name the disorders caused due to deficiency of thiamine and ascorbic acid K1 (2)
- 2) Differentiate between respiratory acidosis and respiratory alkalosis. K2 (4)
- 3) Describe the hormonal disorders of female reproductive system. K2 (6)
- 4) Assess the role of vitamins in the homeostasis of the body. K3 (9)
- 5) Describe CSGE and elucidate its role in identification of DNA sequence variations. K3 (9)
- 6) Evaluate how the process of DNA fingerprinting revolutionised paternity testing. K5 (10)
- 7) Define tumor kinetics and explain the concept of doubling time in cancer cells. K4 (12)
- 8) Evaluate five lipid metabolism disorders in terms of cause and pathophysiology. K5 (15)
- 9) How is Hybridoma technology employed in the production of monoclonal antibodies? K5 (15)
- 10) Integrate various hemoglobinopathies in terms of cause and pathophysiology. K6 (18)