

School of Biomedical Science**Master of Science in Medical Biotechnology
Semester End Examination - Jun 2024****Duration : 180 Minutes
Max Marks : 100****Sem II - Q1PP202T - Medical Physiology-II***General 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*

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| 1) | What is antigen? | K1(2) |
| 2) | Summarize the composition of bone matrix. | K2(4) |
| 3) | Explain the partial pressure differences in O ₂ and CO ₂ for diffusion. | K2(6) |
| 4) | Illustrate the anatomy of nephron using well labelled diagram. | K3(9) |
| 5) | Illustrate and describe the making of ovum (oogenesis). | K3(9) |
| 6) | Examine and explain the hormonal changes that occur during pregnancy and its effect on female body. | K5(10) |
| 7) | Discuss the process of fertilization. | K4(12) |
| 8) | Compile notes and illustrate on volume and capacities of lungs. | K5(15) |
| 9) | Compile and discuss various bones of axial skeleton. | K5(15) |
| 10) | Elaborate on the process of respiration and explain each step of breathing, diffusion of gases and its utilization. | K6(18) |