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**School of Biological and Life sciences****Bachelor of Science Honours in Biomedical Science****Mid Term Examination - May 2024****Duration : 90 Minutes****Max Marks : 50****Sem II - P1UA201T - Human 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*

- 1) Explain the process of sound transduction within the inner ear, from mechanical vibration. K2 (2)
  - 2) Explain the process of synaptic transmission in neural communication. K1 (3)
  - 3) What are the main divisions of the autonomic nervous system? K2 (4)
  - 4) What are the stages involved in the operation of a reflex arc? K2 (6)
  - 5) Describe the process of neurogenesis. K3 (6)
  - 6) How does the brain interpret sensory information and generate appropriate responses? K3 (9)
  - 7) Explain the process of synaptic transmission. K4 (8)
  - 8) Discuss the cerebellum in motor coordination and balance K4 (12)
- OR**
- Illustrate about the blood-brain barrier and why is it important? K4 (12)