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**School of Medical and Allied Sciences****B.Sc Cardiovascular Technology  
Mid Term Examination - May 2024****Duration : 90 Minutes  
Max Marks : 50****Sem IV - L1UC404T - Principles of Ultrasonography**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 Longitudinal effect. K2 (2)
  - 2) Define Ultrasound. K1 (3)
  - 3) Explain the wave propagation. K2 (4)
  - 4) Explain Doppler Frequency shift. K2 (6)
  - 5) Illustrate the ultrasound devices used in Point of care. K3 (6)
  - 6) Illustrate the idea about Clinical applications of Doppler effect. K3 (9)
  - 7) Analyze the Scanner and controls that we need in USG. K4 (8)
  
  - 8) Analyze the Limitations in Ultrasound. K4 (12)
- OR**
- Analyze Benefits and Risks of Ultrasound. K4 (12)