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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 VI - BCVT6006 - Echocardiography**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 technique of color flow mapping in echocardiography. K2 (2)
- 2) How is pulsed-wave different from continuous-wave Doppler echocardiography. K1 (3)
- 3) Illustrate the clinical significance of Doppler echocardiography in valvular heart diseases? K2 (4)
- 4) Interpret the phenomenon of piezoelectric effect and its application of echo in daily life. K2 (6)
- 5) Organize the regional wall motion abnormalities, and how are they identified? K3 (6)
- 6) Develop the methods utilized to measure cardiac dimensions? K3 (9)
- 7) Classify the regional wall motion abnormalities are identified on an echocardiogram? K4 (8)
- 8) Simplify the quantitative assessment of transvalvular gradients. K4 (12)

**OR**

Simplify the facts about continuity equation in 2D Echo. K4 (12)