

School of Medical and Allied Sciences

Cardiovascular Technology

ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem IV - BCVT4008 - Principles of Ultrasonography

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

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| 1. | Explain the Doppler scanning. | K2 CO3 (5) |
| 2. | What is the Benefits and Limitations of USG. | K1 CO2 (5) |
| 3. | What is Attenuation and Amplification? | K1 CO1 (5) |
| 4. | Develop the indications of Aortic Ultrasound. | K3 CO3 (10) |
| 5. | Explain the Physics of Doppler effect. | K2 CO1 (10) |
| 6. | Identify the indications, preparation and techniques of Ultrasound of Pleura. | K3 CO2 (10) |
| 7. | Examine the procedure, indication and complications of Interventional USG. | K4 CO2 (10) |

OR

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| | Analyze the general clinical rules for ultrasound guided procedure. | K4 CO2 (10) |
| 8. | Explain the Interventional Ultrasound. | K5 CO3 (15) |

OR

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| | Explain the indications of Breast Biopsy and Liver Biopsy. | K5 CO3 (15) |
| 9. | Assess the Image Acquisition. | K5 CO2 (15) |
| 10. | Simplify the Ultrasound of Thoracic Cavity. | K4 CO1 (15) |