

School of Medical and Allied Sciences

Cardiovascular Technology

ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem VI - BCVT6001 - Cardiac catheterization laboratory basics

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. Demonstrate the complications that can occur while doing ventriculographic assessment. K2 CO2 (5)
2. Demonstrate the various types of curves on coronary catheter. K2 CO1 (5)
3. Interpret the various techniques for management of vascular diseases. K2 CO3 (5)
4. Interpret the various types of catheters specifically used for coronary angiographic purpose and their ideal features. K2 CO1 (10)
- 5) Simplify the term 'Catheter', parts of the catheter, ideal features and list the various types of catheter. K4 CO6 (10)

OR

- Inspect the components of cardiac catheterization lab and analyze any 3 of the components. K4 CO6 (10)
6. Organize the various waves of jugular waveform with labeled diagram and its causes of waves. K3 CO2 (10)
7. Organize the term cardiac output, cardiac index, stroke volume, ejection fraction and extraction reserve. K3 CO3 (10)
8. Conclude the limitations of Thermodilution method and Fick's principle. K5 CO6 (15)
- 9) Interpret the complications of coronary angiography with their respective management. K5 CO4 (15)

OR

- Compare the well labeled diagram of any 2 views of your choice related to Right coronary artery seen on an angiogram. K5 CO4 (15)
10. List the various important features of fluid filled manometer with a diagram to show setup on patient. K4 CO5 (15)