

The West Bengal University of Health Sciences
D.M. (Cardiac Anesthesiology) Examination, August-September 2021

Paper : I

Full Marks : 100
Time : 3 hours

Attempt all questions. All Questions carry 10marks each.

1. Draw a normal radial artery waveform. Discuss what information you can get from this waveform. 2+8
2. Discuss chamber of heart & its anatomical variations. 10
3. Discuss mechanism of impulse generation and conduction across myocardium. 10
4. Describe the anatomical types of persistent truncus arteriosus. Discuss it's pathophysiology. 10
5. What are the conotruncal abnormalities ? Discuss the management of "cyanotic spell" in achild with TOF. 10
6. Describe the classification & mechanism of action of commonly used antiarrythmic agents. 10
7. Discuss about complications of respiratory system post cardiopulmonary bypass. 10
8. Write short notes on: 5+5
 - a) Cardioplegia
 - b) Heparin reversal agents
9. Discuss the pathophysiology of AR. 10
10. Define cerebral perfusion pressure ? Discuss cerebral function monitoring in cardiac surgery. 10