

**The West Bengal University of Health Sciences**  
**D.M. (Cardiac Anesthesiology) Examination, August 2022**

Paper : II

Full Marks : 100  
Time : 3 hours

*Attempt all questions. All Questions carry 10marks each.*

1. How do you assess the severity of MR intraoperatively – discuss. 10
2. Which are common rhythm disturbances you encountered during cardiac surgery? Write intraoperative supraventricular antiarrhythmic therapy. 5+5
3. Acute kidney injury during cardiac surgery: mention etiology and prevention. 10
4. Discuss the diagnosis and management of RV dysfunction following On-pump CABG surgery. 5+5
5. Write an essay on neuromonitoring during Deep hypothermic circulatory arrest due to complex aortic arch repair. 10
6. Etiology and management of difficult weaning from CPB following post AVR due to moderate AS and severe AR in a 52 years old male patient. 10
7. Write notes on Thoracic epidural anaesthesia in cardiac surgery. 10
8. Discuss pathophysiology and perioperative management of hypertrophic obstructive cardiomyopathy. 10
9. Discuss the types and principles of cardioplegia solutions used for myocardial protection. 10
10. Discuss MS with pregnancy and anesthetic management of cardiac tamponade while attempting PTMC in a pregnant patient during second trimester. 10