

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

Paper : III

Full Marks : 100
Time : 3 hours

Attempt all questions. All Questions carry 10marks each.

1. Write short notes on history of cardiac anaesthesia. 10
2. Discuss on pathophysiology of low cardiac output syndrome. 10
3. Discuss on univentricular heart physiology. 10

4. Describe the effects of cardiopulmonary bypass on pharmacokinetics and pharmacodynamics of drugs. 10
5. Discuss on various modalities of neurological monitoring for patient on cardiopulmonary bypass. 10
6. Write short notes on drug sequestration in oxygenator. 10

7. Discuss on clinical significance of end diastolic pressure and volume relationship in patients of aortic stenosis with aortic regurgitation. 10

8. Discuss on ECHO assessment of left ventricular function. 10

9. Describe acid base changes during cardiopulmonary bypass. 10

10. Discuss anaesthetic management of minimal invasive surgery. 10