

The West Bengal University of Health Sciences
M.Ch. (Cardio Thoracic & Vascular Surgery) Examination,
August 2022

Paper : I

Full Marks :100

Time : 3 hours

Attempt all questions. All Questions carry 10marks each.

1. Describe the diagnostic criteria for Rheumatic fever. Discuss the management of acute rheumatic fever and prophylaxis. 5+5
2. Describe the anatomy of the aortic root and the various surgical procedures to enlarge small aortic annulus. What are the indications of surgery in chronic aortic incompetence ? 3+5+2
3. Describe briefly about the development of the interatrial septum. What is scimitar syndrome ? Write about the management of left superior vena cava (LSVC) during ASD closure. 5+2+3
4. Describe the anatomy of coronary sinus and the role of coronary sinus retrograde perfusion in myocardial preservation. 5+5
5. Mention the causes and briefly describe about the management of bleeding after cardiac surgery. 3+7
6. Write short notes on: 5+5
 - a) Denton Cooley
 - b) Walton C Lillehei
7. Write short notes on: 5+5
 - a) Protamine
 - b) Levosimendon
8. Management of oesophageal atresia with trachea oesophageal fistula. 10
9. Enumerate the differences between pulsatile and non-pulsatile perfusion. Discuss the advantages and disadvantages of centrifugal pumps used for cardiopulmonary bypass. 5+5
10. Role of trans oesophageal echocardiography during heart surgery in operation theatre. 10