

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

Paper : I

**Full Marks: 100**  
**Time : 3 hours**

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

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| 1. Write short notes on:   | 5+5 |
| a) Discuss mechanism of closure of ductus arteriosus after birth.                      |     |
| b) Mention duct dependent congenital heart diseases.                                   |     |
| 2. Discuss anatomy of coronary sinus and its clinical implication.                     | 10  |
| 3. Discuss development of endocardial cushion and its various anomalies.               | 5+5 |
| 4. Describe anatomy of Tricuspid valve with its relevance for transcatheter procedure. | 10  |
| 5. Write short notes on :  | 5+5 |
| a) Biomarkers of COVID 19 coagulopathy.  |     |
| b) Genetics of long QT-syndrome  |     |
| 6. Discuss pathophysiology of chronic total occlusion (C.T.O) of Coronary artery.      | 10  |
| 7. Write short notes on :  | 5+5 |
| a) C-V response to isotonic & isometric exercise.                                      |     |
| b) Accessory conduction pathway.   |     |
| 8. Write short notes on :  | 5+5 |
| a) SGLT 2 inhibitors   |     |
| b) Ivabradine.   |     |
| 9. Discuss briefly :   | 5+5 |
| a) Secondary prevention of rheumatic fever   |     |
| b) Blood pressure variability.   |     |
| 10. Write short notes on :   | 5+5 |
| a) Echocardiographic assessment of L.A. function.                                      |     |
| b) Imaging of 'Vulnerable plaque'  |     |