



CARDIOLOGY

PAPER - I

CARDIO/J/13/05/I

Time : 3 hours

Max. Marks : 100

Attempt all questions in order.

Each question carries 10 marks.

1. Describe the embryology, presentation and management of corrected transposition of great arteries. 3+2+5
2. What is apoptosis? Discuss its role in cardiovascular disease. 2+8
3. Describe the pharmacology and use of ticagrelor. 6+4
4. Discuss atrial isomerism and its importance in congenital heart disease. 3+7
5. What is hangout interval? Describe its mechanism and effect on cardiac auscultation. 3+(3+4)
6. Describe Tissue Doppler Imaging in health and disease. 4+6
7. What are hypercoagulable states? Outline its diagnosis and management 3+(3+4)
8. Outline the approach to evaluation of asymptomatic pre-excitation. 10
9. What is Chi-Square test? Discuss its application in clinical medicine? 5+5
10. Discuss cardiovascular involvement in HIV disease. 10

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