

CARDIOLOGY
PAPER-IIITIME: 3 HOURS
MAX. MARKS: 100

CARD/J/20/05/III

Important Instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) DAPA-HF Trial. 5+5
b) CABANA Trial.
2. a) Artificial intelligence in Cardiology. 5+5
b) Artificial heart.
3. a) Intracardiac Leadless pacemaker. 5+5
b) Alternative sites for permanent pacing.
4. a) Trans catheter Aortic Valve Implantation compared to 5+5
Surgical Aortic Valve Replacement.
b) Percutaneous pulmonary valve replacement: current status.
5. a) AUGUSTUS trial. 5+5
b) ISCHEMIA Trial (International Study of Comparative Health Effectiveness with Medical and Invasive Approaches) and its implications.
6. a) COVID-19 infection and coagulation abnormalities. 5+5
b) MRI conditional pacemaker.
7. a) Intravascular lithotripsy. 5+5
b) Current status of OCT.
8. a) HDL- Paradox. 5+5
b) Current status of PCSK-9 inhibitors.
9. a) Palliative surgeries in congenital heart disease. 5+5
b) Epidemiological transition of cardiovascular diseases.
10. a) Secondary prevention of acute rheumatic fever. 5+5
b) Dietary modification in primary prevention of cardiovascular diseases.
