CARDIOLOGY

PAPER-II

Time: 3 hours   CARD/D/20/05/II

Max. Marks:100

Important Instructions:

- ***You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.***
- ***Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.***
- ***No additional supplementary answer sheet booklet will be provided.***
- *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. ECG abnormalities in various electrolyte imbalance.   10

2. a) Mueller Maneuver: Definition, hemodynamics and clinical applications.   5+5
    b) Pathological additional sounds in diastole: Characteristics and their causes.

3. Cocaine related cardiac problems: Mechanism, manifestation, diagnosis and treatment.   2+2+3+3

4. a) Coronary Collateral circulation: Angiographic classification and clinical utility.   5+5
    b) Coronary artery dissection: Angiographic classification and management.

5. Treadmill Exercise Testing: indications, contraindications, indications for terminating exercise test and interpretation.   2+2+2+4

6. Echocardiographic evaluation of RV function and their limitations.   10

7. a) Pharmacological Stress test used in Nuclear Medicine.   5+5
    b) Coronary Artery Calcium Scoring.

8. a) Long QT Syndrome: Classification, genetics, manifestation and treatment.   7+3
    b) Short QT syndrome.

9. a) Familial hypercholesterolemia.   5+5
    b) CT FFR.

10. a) Assessment of bleeding and ischemic risk in antiplatelet therapy.   5+5
    b) Ultrashort duration DAPT: Definition, Evidence.

****