

POST GRADUATE DIPLOMA IN NON-INVASIVE CARDIOLOGY : SUMMER 2022
SUBJECT : PAPER – II : CARDIOVASCULAR INVESTIGATIONS

Day : Thursday
Date : 4/8/2022

S-23502-2022

Time : 10:00 AM-12:00 PM
Max. Marks : 50

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 2) Answer to both the sections should be written in **SAME** answer book.
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SECTION – A

Long answer (Attempt **ANY TWO**) **(20)**

- 1) Describe normal ECG. Write waves, intervals, segments with labelled diagram in normal physiology.
- 2) Define triaxial and hexaxial reference system. Draw diagram of triaxial and hexaxial reference system. Write ECG changes of right axis deviation.
- 3) Write preparation protocols and post procedure care of Stress Test (TMT). Write indication and contraindication of TMT. What are the complications can occur during test?

SECTION – B

Short answer (Attempt **ANY FIVE**) **(30)**

- 1) Describe ECG lead system. Write note on standard limb leads and precordial leads.
- 2) Write note on normal PR segment and normal PR interval.
- 3) What is ECG holter test? What are the indications of this test? Also write preparation of holter patient and care during test.
- 4) Write note on normal conduction system of the heart. Draw a diagram with labelled diagram.
- 5) Write note on 'P' wave abnormality.
- 6) Define tetralogy of fallot. Draw labelled diagram.
- 7) What is Heart block? Describe 2nd degree heart block and its types. Write ECG changes in 2nd degree heart block.
- 8) Write note on LV diastolic dysfunction. Write echocardiographic features of LV diastolic dysfunction.
