1st Year   Paper – I   Full Marks – 100.
                                                                    Time – 3 hours.

Asnwer all questions.

(A)   What is E.C.G. ? Explain normal E.C.G. Waves .   (20)

(B)   Define cardiac cycle . Explain the phases of a normal cardiac cycle.   (20)

(C)   Write short notes on any four :-   (4 x 5 = 20)

      (a)   S.A. Node

      (b)   Factor regulating blood pressure

      (c)   Innervations of heart.

      (d)   Pericardium

      (e)   Relation of Right Atrium.

                                                                   (2 x 20 = 40

(D)   Describe any two :-

      (a)   Describe blood supply oh heart .

      (b)   Heart block

      (c)   First Heart Sound.

                              *****

PM/PD Exam 2019 (II)
PHYSIOLOGY
(E.C.G. Technician Course)

1st Year   Paper – II   Full Marks – 100.

                                                       Time – 3 hours

The questions are of equal value.

Asnwer any five questions.

1. What is electrocardiogram ? Describe different waves of an ECG tracing .

2. Describe the ECG tracing of acute anterior myocardial infarction .

3. Explain Action potential waveform of an ECG tracing .

4. How electrical axis is determined ?

5. Mention the indications of Pacing of the heart . What will be the ECG tracing after pacing of heart .

6. Describe tachyarrhythmia by ECG wave forms.

7. Describe ECG presentations of ANY TWO of the following disease :

    a) Hypokalemia

    b) Wolf-Parkinson-White Syndrome   *Short PR interval.*

    c) Left Atrial Enlargement   *Short P waves.*

    d) Q – T interval .

    e) Sick sinus syndrome

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1st Year   Paper – III   Full Marks – 100.
Time – 3 hours

The questions are of equal value.
Asnwer any five questions.

1. What are the duties of ECG technician ?

2. Write a labelled normal ECG tracing with proper time intervals and well labelled diagram.

3. What are the difference between ECG changes of Angina pectoris and Acute myocardial infarction.

4. What are the Echo findings in a case of Acute myocardial infarction.

5. Describe ECG changes –

   (i)   Acute pulmonary embolism

   (ii)   Digitalis toxicity

   (iii)   Myxoedema

6. Describe ECG changes of 1st degree , 2nd degree and 3rd degree heart block .

7. Write short notes of any two of the following –

   (i)   Right axis deviation & left axis deviation – ECG tracing.

   (ii)   LVH & RVH – ECG tracing

   (iii)   RBBB & LBBB – ECG tracing.

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