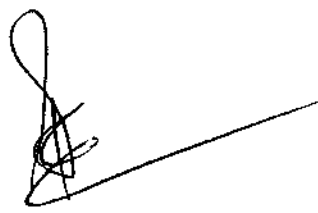


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**DEPARTMENT OF HEALTH, (MEDICAL EDUCATION, & INDIGENOUS MEDICINE)
GOVERNMENT OF BIHAR, PATNA.**

**COURSE/CURRICULUM FOR 2 YEARS
DIPLOMA IN E.C.G. TECHNICIAN COURSE**

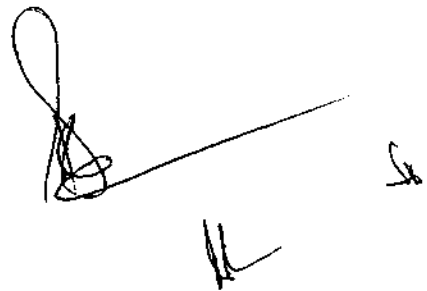
SCHEME OF EXAMINATION FOR DIPLOMA IN E.C.G. TECHNICIAN COURSE

First Year

THEORY				
Sl. No.	Subject		Full Marks	Pass Marks
1	Anatomy		100	50
2	Physiology		100	50
3	Ecocardiogram		100	50
Total Theory Marks			300	150
PRACTICAL				
4	A.	Practical	100	50
	B.	Viva	40	20
Total Practical Marks			140	70

Second Year

THEORY				
Sl. No.	Subject		Full Marks	Pass Marks
1	Applied Anatomy		100	50
2	ECG Recording		100	50
3	CVS Monitoring		100	50
Total Theory Marks			300	150
PRACTICAL				
4	A.	Practical	100	50
	B.	Viva	40	20
Total Practical Marks			140	70



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DIPLOMA IN E.C.G. TECHNICIAN COURSE
FIRST YEAR

Paper – I(Anatomy)

1. Anatomy of the Heart and Vessels.
2. Anatomy of lung & Respiratory System.
3. Basics of ECG Machine.
4. Pulse, Temperature and Blood Pressure : Normal Recording.
5. Set-up of Intensive Care Unit.

Paper – II(Physiology)

1. Normal Electrocardiogram.
2. Hypertrophy & Enlargement of Heart.
3. Conduction Block.
4. Arrhythmias
5. Abnormalities in Pulse, Temperature & Pressure.
6. Physiology of Heart & Vessels.
7. Physiology of Lung.

Paper – III(Ecocardigram)

1. Angina & ECG.
2. Myocardial Infarction & ECG.
3. Stress Electrocardiography.
4. Other Cardiac Disorder.
5. Pulmonary Disorder.

DIPLOMA IN E.C.G. TECHNICIAN COURSE
SECOND YEAR

Paper – I(Applied Anatomy)

1. Reading of ECG.
2. Reporting of ECG.
3. ECG. Changes in :
 - a. Hypertrophy & Cardiac Enlargement.
 - b. Conduction block.
 - c. Arrhythmias.
 - d. Coronary artery diseases.
 - e. Stress and strain.
 - f. Yogic exercises.

4. Paper – II (ECG Recording)

1. Multiparameter Cardiac Monitor
2. Duties in ICU Set-up.
3. Reporting to ICU incharge vis-à-vis emergencies.
4. Electrolyte disturbances.
5. Hypothermia
6. Drug effect.

A large handwritten signature is written over the text of the second year paper II. To the right of the signature, there are some initials and a downward-pointing arrow.

7. Paper – III(CVS Monitoring)

- 1. ECG. And Diagnosis.
- 2. ECG. & Management.
- 3. Athletes Heart.
- 4. HIV AIDS & Cardiac Change.
- 5. Myxoedema & ECG.
- 6. Sub- arachnoid bleed & cerebral infarct.
- 7. Prognostic ECG.
- 8. Drugs & ECG.
- 9. Vaso- pressure drug & ECG.
- 3 Months Practical training with ECG. Technicians.
- 3 Months Practical Training in ICU. Set-up.

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