

INDIAN MEDICAL ASSOCIATION HQRS., NEW DELHI

Minimum requirements for conducting

Diploma in Medical Laboratory Technology Course

A. Infrastructure

i) Teaching Infrastructure : Should have -

1. Lecture Theatre
2. Student Reading Room
3. Library
4. Audio Visual Facilities

ii) Clinical Infrastructure : Should be at least a 100 bedded hospital (single unit) or a stand alone Laboratory with a work load of minimum of 75 patient samples per day.

Should have all modalities of diagnosis including Haematology, Biochemistry, Microbiology and Histopathology.

iii) Equipments

1. Haematology Analyser (5part/3 part)
2. Bio Chemistry Analyser (Fully automatic)
3. Bio Chemistry Analyser (Semi automatic)
4. Microbiology facilities including Culture-Sensitivity Facility
5. Histopathology Facility
6. Cytology
7. Hormones/ELISA
8. Microscope – Binocular

B. Faculty

- i. One full time Pathologist
- ii. One full/part time Microbiologist
- iii. Lab technician : 3-4

C. Work Load & Students intake

Patients per day	No. of Students/session
75-100	05
101-300	10

301-500	20
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Minimum requirements for conducting
Diploma in X-RAY/Imaging Technology

A. Infrastructure

- i) **Teaching Infrastructure** : Should have -
 - 1. Lecture Theatre
 - 2. Student Reading Room
 - 3. Library
 - 4. Audio Visual Facilities

- ii) **Clinical Infrastructure** : Should be at least a 100 bedded hospital (single unit) or a stand alone diagnostic centre with a minimum of workload as mentioned below.

- iii) The institute must have the following equipments and should have AERB approval for radiation safety:

Equipments

- 1. X-Ray Machine (300 mA and above)
- 2. Portable/Mobile X-Ray units
- 3. C T Scan
- 4. M R I
- 5. Ultrasound Machine
- 6. Colour Dropller

B. Faculty

- i. One full time Radiologist
- ii. X-RAY Technician : 3-4

C. Work load & Students intake

Investigation	Patients per day		
	50	100	200
X-RAY	50	100	200
Ultrasound	40	80	150
CT Scan/MRI	10	20	30
No. of Students/session	05	10	20

Minimum requirements for conducting

Diploma in Operation Theatre Technician

A. Infrastructure

i. Teaching Infrastructure : Should have -

1. Lecture Theatre
2. Student Reading Room
3. Library
4. Audio Visual Facilities

ii. Clinical Infrastructure : Should be at least a 100 bedded hospital (single unit).

The institution must have at least two main operation theatres out of which one should run round the clock (24 hrs) and should have minimum of following equipments/facilities:

Equipments

1. Central Medical Gas Pipeline System
2. Centralized Sterile Supply Departments
3. Anaesthesia Machines
4. Operating Microscopes
5. C-Arm Image Intensifier
6. Endoscopes

B. Faculty

- i. One full time Surgeon
- ii. One full time Anesthetist
- iii. O T Technicians : 3-4

C. Work load & Students intake

Number of surgeries per day	No. of Students/session
5 - 20	05
21 - 40	10
41 - 60	20

Minimum requirements for conducting

Diploma in Cardiac Technology

A. Infrastructure

i. Teaching Infrastructure : Should have -

1. Lecture Theatre
2. Student Reading Room
3. Library
4. Audio Visual Facilities

ii) Clinical Infrastructure : Should be at least a 50 bedded hospital (single unit) with cardiology and Cardiac Thoracic Surgery Departments.

Equipments

1. E C G machines (12 channels, 3 channels or single channel)
2. Holter Recording and Analyzing System
3. Treadmill
4. Echo Cardiography
5. Cardiac Cath Lab
6. Cardiac Operation Theatre

B. Faculty

- i. One full time cardiology
- ii. One full time CTVS surgeon
- iii.** One full time Anesthetist

C. Work load and Students intake

Number of beds	No. of Students/session
50 – 100	05
101 – 300	10
301 and above	20

Minimum requirements for conducting

Diploma in Medical Record Technology

A. Infrastructure

i) Teaching Infrastructure : Should have -

1. Lecture Theatre
2. Student Reading Room
3. Library
4. Audio Visual Facilities

ii) Clinical Infrastructure : Should be at least a 100 bedded hospital (single unit) with separate space for Medical Records to be maintained Electronically/Manually :

iii) Facility

1. Computers in Departments
2. Computers in hospital
3. Online facility
4. Storage Space
5. MLC Section
6. ICD -10classification
7. Indexing

B. Faculty

- i. One full time Medical Record Officer
- ii. One full time Medical Record Technician

C. Work load and Students intake

Number of beds	No. of Students/session
100	05
101 – 300	10
301 - 500 and above	20

Minimum requirements for conducting

Diploma in Dialysis Technician

A. Infrastructure

i) Teaching Infrastructure : Should have -

1. Lecture Theatre
2. Student Reading Room
3. Library
4. Audio Visual Facilities

ii) Clinical Infrastructure : Should have dedicated Dialysis Unit with at least six(6) machines and R O System for Dialysis Machine.

iii) Equipments

1. Dialysis Machine
2. Sterilization Facility
3. Power Supply & Backup Generator
4. Dedicated machines for HIV and Hepatitis B cases

B. Faculty

- i. One Nephrologist
- ii. Dialysis Technician : 3 – 4

C. Work load and Students intake

Number of machines	No. of Students/session
6	05
7 – 20	10
21 - 40	20

Minimum requirements for conducting

Certificate in Blood Bank Technology

A. Infrastructure

i) Teaching Infrastructure : Should have -

1. Lecture Theatre
2. Student Reading Room
3. Library
4. Audio Visual Facilities

ii) Clinical Infrastructure : Should be a registered Blood Bank functioning round the clock, with at least 2000 Blood Donations per year.

iii) Facility

1. Blood donation chairs/beds
2. Storage cabins
3. Cell separators
4. Other equipments

B. Faculty

- i. One full time Blood Bank Officer
- ii. Technician(s) : 3 – 4 full time

C. Work load and Students intake

Annul Blood Collection	No. of Students/session
2000	05
2001 – 4000	10
Above 4000	20