

Corrected List of Paramedical Courses

Diploma Courses

1. Diploma in Cardiac Care Technology (DCCT)
2. Diploma in Dialysis Technician Course
3. Diploma in Physiotherapy (DPT)
4. Diploma in Physicians Assistant Course
5. Diploma in I.C.U. Technology
6. Diploma in O.T. Technology (OT+Anaesthesia+Endoscopy)
7. Diploma in Emergency and First Aid
8. Diploma in Medical Laboratory Technology (DMLT)
9. Diploma in Medical Radiographic Technology (DMRT)
(X-Ray, CT Scan, MRI)

Degree Courses

1. B.Sc. in Radiography & Advanced Imaging. (BRAI)
2. B.Sc. in Optometry. (B. Optom.)
3. Bachelor in Physiotherapy. (BPT)
4. B.Sc. in Trauma and Emergency Care. (BTEC)
5. B.Sc. in Medical Laboratory. (BMLT)
6. B.Sc. in Critical Care. (BCC)
7. B.Sc. in O.T. Technology. (BOTT)
8. Bachelor in Food Nutrition and Dietetics
9. B.Sc. in Blood Banking Technology. (BBBT)
10. B.Sc. in Biotechnology. (B. Biotech.)



**Minimum Standard Requirement for Starting a Paramedical Institute in the State of Assam,
for Diploma Course and Degree Course**

DIPLOMA COURSES

The applicant must fulfill these Minimum Standard Requirements to apply for affiliation under Srimanta Sankaradeva University of Health Sciences, Assam.

The Requirements are for the following Paramedical Courses:

1. Diploma in Medical Laboratory Technology (DMLT)
2. Diploma in Medical Radiographic Technology (DMRT)
3. Diploma in Cardiac Care Technology (DCCT)
4. Diploma in Physiotherapy (DPT)
5. Diploma in ICU Technology
6. Diploma in Emergency and First Aid.
7. Diploma in OT Technology (OT + Anaesthesia + Endoscopy)
8. Diploma in Dialysis Technician
9. Diploma in Physician's Assistant

I) General Requirement:

- Name of the Applicant intending to start paramedical institute.
- Address (with phone, mobile & e-Mail, etc.) of the Institute.
- Building/Land:

If own - Document relating to ownership

If rented – Agreement with the owner at least for 5 (five) years. The institute is to be shifted to its own permanent campus within 5 (five) years.

- Registration – (If under Society), Trade Licence (if Service Laboratory, Physiotherapy Unit etc. are used for commercial purpose)
- Financial capability – Financial details of the project.

II) Administrative Block

Areawise accommodation shall be provided for -

Head of the Institution	-	150 sq.ft.
Office	-	150 sq.ft.
Teaching staff	-	250 sq.ft.
Technician	-	200 sq.ft.



Store room - 150 sq.ft.

Library – Total area – 500 sq.ft. with seating arrangement for at least 15 students. Room should be well lighted, well ventilated with proper seating arrangement for reading.

- Should have minimum 5 nos. of text books for each course and each text book should have two sets.
- Should have minimum 5 nos. of reference books for each course.
- Two nos. of recent & back journal for each course.
- Computer with Internet facility and copying facility should be there.

Lecture theatre – 2 (two) Nos.

(One should be minimum 100 seating capacity and another should be 60 seating capacity).

- Should be equipped with LCD projector etc.
- These lecture theatres can be shared by all the departments in a programmed manner.

Demonstration room – 2 Nos.

- 25 student seating capacity each.

Practical laboratory

Size – Minimum 1000 sq.ft. with laboratory preparation room. Laboratory should have continuous working table with wash basins and rack for reagent, glassware etc.

- Laboratory should be well lighted and should have running water supply and alternative power source (UPS, Generator etc.)

Physiotherapy room – size – minimum 2000 sq.ft.

- Should have provisions for operating all the necessary instruments. (List of Instrument mentioned in equipment section).

Service laboratory – 1 No.

Size – not less than 1000 sq.ft.

- Separate Pathology, Microbiology & Biochemistry sections
- Common Reception Counter
- Common venipuncture room
- Should perform all the common laboratory investigations.



Hostel

- If Institute is residential then separate hostel facilities for male and female students with security arrangement.
- Transport facility should be there if hostel is away from the Institute.

Note :

- There should be sufficient space for future expansion
- Institute should have its own hospital or it should be tied up with a well-equipped hospital recognized by AHRA/ Medical College.

III) Staff Pattern of Different Courses:

a) Non Teaching/Office Staff:

- | | | |
|---------------------------------|---|---|
| • Computer-cum-Office Assistant | - | 1 |
| • Librarian/Lib. Assistant | - | 1 |
| • Gr-IV / Cleaner | - | 3 |
| • Lab/Practical Room Assistant | - | 1 |

b) Teaching Staff:

(No Institute shall be allowed to operate or function without specified teaching staff)

– Department of Anatomy

Lecturer – 1 MBBS with Postgraduate (PG) qualification (*Part time lecturer may be allowed*)

– Department of Physiology:

Lecturer –1 MBBS with Postgraduate (PG) qualification (*Part time lecturer may be allowed*)

- Anatomy & Physiology classes will be common for all the courses.

– DMLT – (for 10 student admission per year).

Teaching Staff –

- Head of the Department – Minimum qualification, MD (Path) or MD (Micro) or MD (Biochemistry) with 2 years working experience
- Lecturer – 1 with 2 years working experience (qualification M.Sc. MLT.)
- Demonstrator - 2 nos. with 2 years working experience (qualification – B.Sc. MLT each).



– **DMRT (Diploma in Medical Radiographic Technology).**

Teaching Staff –

- Head of the Department – M.D. in Radiology with 2 years working experience
- Physicist or M.Sc. Radiological Physics with 1 year working experience - 1 no. (*Part time engagement may be allowed*)
- Lecturer – M.Sc. MRT with 2 years working experience – 1 no.
- Tutor – B.Sc. MRT with 2 years working experience – 1 no.
- Dark room Assistant – Diploma in MRT/ Certificate holder – 1

– **DCCT –Diploma in Cardiac Care Technology**

Teaching Staff –

- Head of the Department – MD in Medicine with 2 years working experience in Cardiology.
- Lecturer – MBBS with diploma in Cardiology –with 2 years working experience -1 no.
- Tutor – MBBS with training in Cardiology or a person having qualification in B.Sc. Cardiac Care Technology with 2 years working experience – 2 nos.

– **Diploma in Physiotherapy**

Teaching Staff –

- Head of the Department – Master Degree in Physiotherapy with minimum 2 years working experience
- Lecturer – MBBS with 2 years working experience in Physiotherapy – 1 no. or MPT degree holder with 2 years working experience – 1 no.
- Tutor – BPT degree holders with 2 years working experience – 2 nos.

– **Diploma in ICU technology**

Teaching Staff –

- Head of the Department - MD in Anaesthesiology with 2 years working experience.
- Lecturer – 1 MBBS with working experience in I.C.U.
- Tutor – B.Sc. ICU Technology with working experience – 1 no.

– **Diploma in Emergency & First Aid –**

Teaching Staff –

- Head of the Department/Institute – MS Surgery/Orthopedics with 2 years working experience.



- Lecturer MBBS with Diploma in Emergency Medicine – 1 no.
 - Tutor – B.Sc. in Emergency & Trauma – 1 no.
- **Diploma in OT technology (OT + Anaesthesia + Endoscopy)**
- Teaching Staff –**
- Head of the Department - MD in Anaesthesiology/MS in Surgery with 2 years experience.
 - Lecturer- MBBS with Diploma in Anaesthesiology – 1 no.
 - Tutor - B.Sc. OT technology/ B.Sc. Anaesthesia Technology –1 no.
- **Diploma in Dialysis Technician**
- Teaching Staff –**
- Head of the Department - MD Medicine.
 - Lecturer- MBBS with 2 years working experience in Dialysis unit – 1 no.
 - Tutor – Diploma holder in Dialysis Technology with 1 year experience or B.Sc. in dialysis – 2 nos.

XI) Diploma in Physicians Assistant Course

Teaching Staff

- Head of the Department – MD in Medicine
- Lecturer – MBBS with minimum 1 year experience.
- Tutor – MBBS/B.Sc. Physicians Assistant Course with 2 year experience.

Note :

- All the Degree/Diploma mentioned in relation to teaching staff should be obtained from recognized University/ Board/ Council or equivalent
- Students of all the courses shall attend the same Anatomy & Physiology Classes.
- Student of each course shall undergo a period of 2 years training. 1st year Theory/Lecture classes and 2nd year devoted to hands on training.

IV) EQUIPMENTS:

Requirement of various courses:

a) List of General Equipments

- Blood pressure machine, thermometer, pulse oxymeter, ambubag, tourniquette, endotracheal tube, Ryles tube, Folles catheter, Insulin syringe, disposable syringe &

needle.

b) For Anatomy

- Skeleton – articulated – 2 nos.
- Disarticulated bone set – 5 sets.
- Chart, Diagrams, models, slides etc. - sufficient
- Mounted human organs.

c) For Physiology

- Chart, Diagrame etc.
- Teaching modalities according to prescribed
- Syllabus of affiliating university.

d) For DMLT

- Binocular microscope as many as Nos. of admission – 10
- Centrifuge machine – 2 nos.
- Incubator – 2 nos.
- Hot air oven – 1 no.
- Hemocytometer – 10
- Hemoglobinometer – 10
- Sedimentation apparatus with stand – Westergren/Wintrobe
- Urinometer – 5 nos.
- Urine analyser
- Micropipette – 2 set (fixed and variable)
- Rotary microtome –
- Hot plate – 1
- Paraffia embedding bath – 1 no.
- Water bath – 2 nos.
- Photoelectric colorimeter – 2 nos.
- Glass slides, cover slip, measuring cylinder, pipette, dropping bottles, reagent bottles, staining racks, different stains, chemicals etc.

e) For Diploma in ICU

- Well equipped I.C.U.

f) For Diploma in OT – (OT+Anaesthesia + Endoscopy)

- Well equipped Operation Theatre.

g) For DCCT

- ECG machine



- Echocardiogram
- Cardiac ICU
- Cath laboratory

h) For Diploma in Dialysis Technician

- Hemodialysis
- Peritoneal dialysis
- Separate ICU facility

i) For DMRT

- Well equipped radiology Department having facilities like X-ray, CT scan and MRI.

j) For Physiotherapy Unit-

- Hot pack unit
- Paraffin wax bath
- Sample nebulizer
- S.W.D.
- Pulsed S.W.D
- Ultra sounds
- UV lamp
- Hi Ne laser
- Cold pack unit
- Infrared lamp
- Traction unit
- Traction bed
- Combination therapy unit
- Electrical stimulator
- Parallel bar, wall bar
- Stair case, curb & ramp
- Ergo cycle
- Walkers (adjustable heights)
- Crutches, walking sticks
- Rowing machine, Vibrator, massager
- Ankle, hand, arm wrist exercises, heel stretcher
- Shoulder abductor ladder, dumbbells
- Finger board, Vestibular balls, grip exercise spring
- A full size mirror etc.

Note:

- This is not an exhaustive list of equipments. The teachers of various courses will use their experiences to equip the department over and above this minimum requirement.
- Offices of all these courses should have adequate furnitures like Chair, Table, Steel Almirah and office items.
- Nos. of intake every year in each course is to be determined by the Govt. on the basis of requirement and should remain under supervision of Govt.



DEGREE COURSES

(For Bachelor Courses like B.Sc. in O.T. Technology, B.Sc. in Critical Care, B.Sc. in Blood Banking Technology etc.)

The institute should have its own hospital with all modern facilities like well equipped O.T., well equipped Critical Care Units and well equipped Blood Bank facilities. The hospital should be recognized by AHRA or any Medical College Hospital recognized by MCI.

Duration of Course:

- Duration of all Paramedical Bachelor Degree Courses shall be of 3 (three) calendar years except Bachelor in Physiotherapy which shall be of 4½ (4 years + 6 months of apprentice/ internship training).

Staff Pattern of Different Courses:

(a) Non-technical:

– Computer cum Office Assistant	-	1
– Librarian/Library Assistant	-	1
– Junior Office Assistant	-	1
– Grade IV Staff/Cleaner	-	3
– Laboratory/Practical room Assistant	-	1

(b) Teaching Staff: (No institute will be allowed to operate without proper teaching/faculty staff.)

Common for all Courses :

Anatomy and Physiology subjects are compulsory for any Bachelor Course in Paramedical Science.

For Anatomy – 1 (one) lecturer (Qualification : MBBS with PG Degree in Anatomy)

For Physiology – 1 (one) lecturer (Qualification : MBBS with PG Degree in Physiology)

To conduct any Bachelor Degree course in Paramedical Science (B.Sc. MLT, B.Sc. RAI, BPT, B.Sc. in O.T. Technology, BTEC, B.Sc. Critical Care; there must be one Head of Department of minimum qualification of MBBS with PG Degree related to concerned course.

For B.Sc. MLT- MD in Pathology/Biochemistry/Microbiology.

B.Sc. RAI - MD in Radiology.

BPT - MS in Orthopaedic/General Surgery.

BTEC - MD (Medicine) with PG Diploma in Cardiology/trained in Cardiology.

B.Sc. Critical Care - MD (Medicine) with PG Diploma in Cardiology/trained in Cardiology.

B.Sc. O.T. Technology - MD (Anaesthesiology)

(All with minimum 2 (two) years of working experience.)



Department Wise teaching staff pattern other than HOD :

- | | | | |
|-----------------------|---|---------|---|
| - Assistant Professor | - | 1 (one) | PG Degree with 3 years experience. |
| - Lecturer | - | 1 (one) | PG Degree with 2 years experience. |
| - Demonstrator | - | 1 (one) | Bachelor Degree with 2 years experience/PG Degree with 1 year experience. |

Other faculties should be as per API guidelines.

N.B.: Modification/Alteration in the faculty position may be required for different courses. A Physicist/ a Faculty with Radiological Physics will be required for B.Sc. RAI (B.Sc. in Radiography & Advanced Imaging).

