



RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCE, KARNATAKA

4TH 'T' Block, Jayanagar, Bangalore – 560 041.

SCRUTINY COMMITTEE REPORT (FRESH/INCREASE COLLEGE BOTH UG & PG)

Name of the Proposed college:

Courses Applied B Sc Medical Laboratory Technology

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Sl. No.	Particulars	Existing Guidelines as per GOK/ RGUHS	Details furnished by the College	Whether the college has fulfilled the requirement
1.	Name of the Trust / Society	Trust / Society should be registered		
2.	Date of Registration			
3.	Minimum age of the Trust / Society	Minimum 3 years		
4.	Audit Statement of the Trust / Society	Past 03 year		
5.	Clinical facilities			
	a) Hospital/Lab Should be accredited by NABL/NABH or Government hospital/Lab	➤ Should own a Lab/Diagnostics		
		➤ Managed and controlled by a member of the Trust		
		➤ The owner of the Hospital/Lab is a member of the Trust		
		➤ Pollution control board certificate for 200 samples		
	b) Samples per *	➤ 200 samples /day		
	c) Distance between Hospital/Lab &	➤ Maximum 20 kilometre radius in city limits		

	College	➤	Maximum 30 kilometre radius in rural areas.		
6.	Building (Own)	➤	Owner of the building		
		➤	Details of property (Property No & Building Photos)		
		➤	Total sqft 23,720 Sqft		
		➤	Building plan approved by the competent authority		
		➤	Up to date tax paid receipt		
		➤	RTC of land		
		➤	Any court case pending against the property		
7.	Building (Rent / Lease)	➤	Not allowed		
8.	Infrastructure				
	a) Teaching Block	➤	Minimum 23,720 sqft		
	b) Class Room	➤	3 Rooms (Each not less than 600 sqft)		
	c) Laboratories	➤	Minimum 03 (Each not less than 800 sqft) subjective to course		
	d) Library Books	➤	50 books in each subject		
	e) Hostel facilities for students	➤	2 journals (National/international) Separate Hostel for boys and girls with separate wardens		
9.	Staff details	➤	No of Teaching Staffs		
10.	Principal	➤	01		
11.	Teaching staff	➤	06(including the visiting/part time faculty)		
12.	Non Teaching staff & others	➤	03		
13.	Vehicle Details	➤	Bus		

14.	Sports & Recreation Facilities	➤	Out door Facility & Indoor Facility		
15.	KPME Certificate	➤			
16.	NABL/NABH certificate	➤			
17.	Lab Equipments	➤	List enclosed		
18.	Teaching faculty/Clinical material *	➤	Table enclosed		
19.	Opinion of the of the Scrutiny Committee for LIC inspection	➤			

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Teaching faculty	For 10 seats intake	For 20 Seats intake	For 40 seats intake
MD/M.Sc (Non-Med) / M/Sc. MLT — Biochemistry / Microbiology / Pathology / Hematology& Perfusion technology	01	01	01
MD/M.Sc (Non-Med) / M/Sc. MLT — Biochemistry / Microbiology / Pathology / Hematology& Perfusion technology	00	01	01
Lecturer / Assistant Prof / Associate Prof - Anatomy	01(part time/visiting)	01(part time/visiting)	01(part time/visiting)
Lectures/Assistant Prof / Associate Prof - Physiology	01(part time/visiting)	01(part time/visiting)	01(part time/visiting)
Lecturer/Assistant Prof / Associate Prof — Biochemistry	01	02	03
Lecturer/Assistant Prof / Associate Prof — Microbiology	01	02	03
Lecturer/Assistant Prof / Associate Prof — Pathology	01	02	02
Tutor (B.Sc. Medical Lab Tech)	01	01	02
Clinical Workload & Infrastructure			
Clinical Workload No of tests - Biochemistry	100	120	140
Clinical Workload No of tests — Microbiology	25	30	40
Clinical Workload No of tests — Pathology(Hematology(50%),Clinical pathology(25%),Cytology(15%) and Histopathology(10%))	75	100	120
Total	200	250	300

Functioning Equipment:

Rotary Microtomes — 01
Autoclave — 01
Paraffin Embedding bath — 01
Water bath — 02
Distilled water unit — 01
Centrifuge — 03
Histokinette (Automatic tissue processor) — 01 (optional)
Microscope - one per student
Tissue Flotation bath — 01
PH Meter — 01
Incubator — 01
Hot air oven — 01
Hemoglobinometer - one per student
Hemocytometer — one per student
Laboratory stirrer — 01
Laboratory counter — 01
RBC Sedimentation apparatus — one per student
Colorimeter — 01
Spectrophotometer — 01
Flame Photometer — 01
Electrophoresis Equipment — 01
Chromatography chambers — 01
Albuminometer — 01
Refrigerator — 01
Digital balance - 01
Non pan Sensitive Balance — 01
Urinometer — 01
Semi autoanalyzer--01
Autoanalyser — 01
(should cover range of tests) (optional)
Automated Cell Counter — 01 (optional)
Laminar Flow cabinet — 01
VDRL Rotator — 01
Anaerobic Culture apparatus — 01

Apart from the above mentioned equipment's necessary glassware, kits, chemicals, media as per the syllabus requirements should be made available in adequate quantity.

ASSISTANT REGISTRAR**DEPUTY REGISTRAR**

1. Minimum eligibility requirements for Candidates

A candidate seeking admission to the Bachelor of Science Degree Courses in the Allied Health Sciences course from SI.No. 1 to 14 shall have studied English as one of the principal subject during the tenure of the course and for those seeking admission to the Bachelor of Science Degree Courses in the Allied Health Sciences courses mentioned above except for B.Sc. Imaging Technology and B.Sc. Radiotherapy Technology shall have passed:

1. Two year Pre-University examination or equivalent as recognized by Rajiv Gandhi University of Health Sciences with, Physics, Chemistry and Biology as subjects of study.

OR

2. Pre-Degree course from a recognized University considered as equivalent by RGUHS, (Two years after ten years of schooling) with Physics, Chemistry and Biology as subjects of study.

OR

3. Any equivalent examination recognized by the Rajiv Gandhi University of Health Sciences, Bangalore for the above purpose with Physics, Chemistry and Biology as subjects of study.

OR

1. The vocational higher secondary education course conducted by Vocational Higher Secondary Education of any other State Government with five subjects including Physics, Chemistry, Biology and English in addition to Vocational subjects conducted is considered equivalent to plus TWO examinations of Government of Karnataka Pre University Course.
2. Candidates with two years diploma from a recognized Government Board in a subject for which the candidate desires to enroll, in the respective Allied Health Sciences course mentioned in SI. No. 1 to 14 shall have passed Diploma [10+2] with Physics, Chemistry and Biology, as subjects or candidates with 3 years diploma from a recognized Government Board in a subject for which the candidate desires to enroll, in the respective Allied Health Sciences course mentioned in SI. No. 1 to 14 should have studied Physics, Biology and Chemistry as subjects during the tenure of the course.
3. Lateral entry to second year for allied health science courses for candidates who have passed diploma program from the Government Boards and recognized by RGUHS, fulfilling the conditions specified above under sl. No. 5 and these students are eligible to take admission on lateral entry system only in the same subject studied at diploma level from the academic year 2008-09 vide RGUHS Notification no. AUTH/AHS/317/2008-09 dated 01.08.2008.
4. In case of admission to B.Sc. Imaging Technology Or B.Sc. Radiotherapy Technology the candidate should have passed Pre University or equivalent examination with Physics, Chemistry, Biology and Mathematics, as subjects of study.

Note

- a. The Candidate shall have passed individually in each of the principal subjects
- b. Candidates who have completed diploma or vocational course through correspondence shall not be eligible for any of the courses mentioned above

2.INFRASTRUCTURE:

- Three Labs each with an area of 800 Sq. ft
- Three Class rooms each with a capacity for 20 students.(each not less than 600 sq. R. each)
- Lab equipment's for Basic Medical Sciences as per the criteria mentioned in Basic Medical Sciences requirements.
 - a. Board (Black or White) - Mandatory
 - b. Multimedia / Computer and its accessories / LCD Projector- Mandatory

3.MINIMUM REQUIREMENTS FOR TEACHING BASIC MEDICAL SCIENCES SUBJECTS:

- **ANATOMY :**
Specimens, Models, Charts, Dissected body parts, slides as per syllabus.
- **PHYSIOLOGY:**
One Microscope per student, One Stethoscope per student, demonstration equipment for complete blood count, Blood grouping and matching kits, B.P apparatus one per student, Staining apparatus with few common stains, Spirometer for demonstration purpose.
- **BIOCHEMISTRY:**
Digital balance, titration apparatus, laboratory glassware, calorimeter, spectrophotometer, pH meter, basic kits for determining urine sugars / ketone bodies, proteins etc.
- **MICROBIOLOGY:**
Microscope, Hot air oven, Autoclave, Incubator ,Electronic analytical balance ,Water bath ,Vortex mixer ,Laminar air flow chamber ,Glass wares (beaker, conical flask, pipettes, test tubes, petridish) ,Refrigerator ,Felix & drayer's tube ,Bunsen burner ,Culture media ,Centrifuge ,Inoculation loop ,Latex agglutination tiles ,Vdrlrotator ,L4cintoshfilter anaerobic jar , Micro titre plate ,Tnspisator
- **PATHOLOGY:**
Haemocytometer — rbc&wbc count ,Haemoglobinometer ,Wintrob's tube, Westergren tube & stand ,Lancet ,Capillary tube ,Whatsman no.1 filter paper, Centrifuge, Microscope, Glass slide, Test tubes, Blood group reagent, Dpx, Coplin jar, H & e stain ,Leishman stain, brilliant cresyl blue stain, pasteur pipette, special stains, diluting fluid - rbc, wbc, pit, pap stain, Coomb's reagent, Phosphate buffer, Distilled water

4.Teaching Staff:

Principal / Professor & HOD,

- MD (Microbiology/Biochemistry/Pathology/Physiology)with 5 years teaching experience
- M.Sc. (3 years course) (Medical Microbiology / Medical Biochemistry) with 9 years of teaching experience in a MLT college
- M.Sc. MLT (2 years course) (microbiology / clinical biochemistry / hematology& blood banking) with 10 years teaching experience in a MLT College
- PhD from faculty of medicine/Allied health sciences with 3 years post PhD teaching experience

Associate Professor:

- a) M.Sc. Medical (Anatomy, Physiology, Biochemistry, Microbiology) with 6 years teaching experience

MD (Microbiology/Biochemistry/Pathology/Physiology)with 2 years teaching experience

MS (Anatomy, Physiology, Biochemistry, Microbiology) with 2 years teaching experience

M.Sc. Phd - minimum 3 year

M.Sc. MLT (2 years course) (Clinical Biochemistry, Clinical Microbiology & Immunology, Hematology& Blood Banking) - minimum 07 years teaching experience

Assistant Professor:

M.Sc. Medical (03 years course) (Anatomy, Physiology, Biochemistry, Microbiology) with 3 years teaching experience

M.Sc. Phd. M.Sc. MLT (02 years course) (Clinical Biochemistry, Clinical Microbiology & Immunology, Hematology& Blood Banking) - minimum 4 years teaching experience

M. D.(Biochemistry, Microbiology, Pathology} Fresh candidate

Lecturer:

M.Sc. Medical (03 years course) (Anatomy, Physiology, Biochemistry, Microbiology)

M.Sc. MLT (02 years course) (Clinical Biochemistry, Clinical Microbiology & Immunology, Haematology & Blood Banking}

Tutor/Lab instructor :

B.Sc. MLT

Minimum no. of Faculty in each Department:

Anatomy : ONE

Physiology: ONE

Biochemistry: THREE

Microbiology: THREE

Pathology: THREE

ONLY for Anatomy & Physiology subjects visiting faculty services can be availed subject to the qualification criteria for respective subjects

Part time teachers' services can be availed for subsidiary subjects

Library: Standard reference books and journals should be made available in each of the subject speciality.Each subject should have 50 books each .

Guide too student ratio for MSc : 4:1

Clinical work load

Rotational Postings:30 days in 2nd year and 30 days in 3rd year

Phlebotomy

Microbiology (Bacteriology & Immunology)

Biochemistry

Blood bank

Pathology (Haematology, Histopathology & Clinical Pathology) Cytogenetics is optional

