

## BIOCHEMISTRY

Department of Biochemistry was established in June 1989. The Department is located on 2<sup>nd</sup> floor of BVUMC building and spread over an approx 10,000 Sq.ft area, providing space for well equipped undergraduate practical hall, Lecture and demonstration rooms, Library cum seminar room, research lab, speciality lab and well furnished faculty rooms.

### ➤ Specific activities of the Department:

#### Teaching and Training:

It is actively involved in conducting Teaching & Learning activities of I MBBS, I BDS., DMLT, MD( Biochemistry), MSc (Medical Biochemistry), PhD (Medical Biochemistry), BSc (Nursing), M.D. (Pathology) & DCP. Apart from routine teaching, modern methods of teaching like seminars, quiz, journal clubs, problem based learning and case studies are also practiced using computer assisted learning.



#### Electrophoresis – Lecture & Demonstration



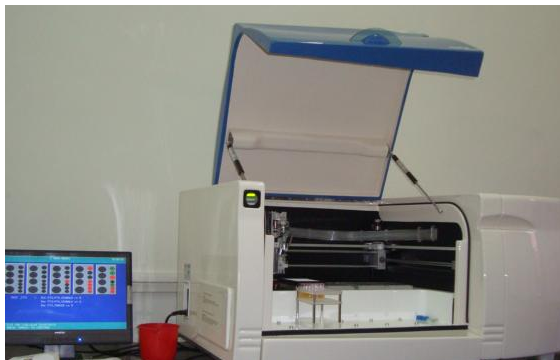
#### UG Quiz – Prize distribution



#### Practical in Progress

Laboratory Services:

]Biochemistry Department controls the biochemistry section in the central clinical laboratory of Bharati hospital. The laboratory gives round the clock service to patients. Various routine and special tests are carried out in the laboratory with the help of state of the art, automated instruments like fully auto chemistry analyzer, blood gas analyser, electrolyte analyzer, nyco card reader, coagulometer etc.



### **Alpha Prime LS fully automated chemiluminescence system**

### **with ELISA facility**



The Department has also established a Speciality laboratory equipped with a fully automated chemiluminescence system with ELISA facility. Hormone assays like Thyroid Profile, Infertility Profile, and Tumour markers and Autoimmune markers are carried out.

The department is affiliated with CMC Vellore and Biorad for EQAS.

### **Faculty:**

The teaching faculty comprises of well experienced, qualified, motivated and dedicated teachers. Two of the professors have received “Best Teacher” award of Pune University. All the faculty members strive to make teaching learning process very interactive. The faculty regularly attends conferences, CME programs and faculty development programs to upgrade their knowledge. Besides teaching the faculty members are involved in other academic and administrative activities of college and university such as Board of studies, Ethical committee, MET unit etc.

### **Research:**

A Research Laboratory is equipped with UV-VIS Spectrophotometer, Electrophoresis apparatus, auto scanner with densitometer, cooling centrifuge, chromatography apparatus etc. Research projects carried out in the department mainly focus on the role of oxidative stress and effect of antioxidants in health and disease. Three of the faculty members are pursuing their PhD(Medical Biochemistry).



**UV-VIS Spectrophotometer**