**12.4 BIOLOGY LABORATORY**

Biology is the study of living organisms, divided into many specialized fields that cover their morphology, physiology, anatomy, behavior, origin, distribution etc. To carry out the study and do the research work, “Biology laboratories” are required.

* Biology lab is well equipped with preserved specimens, slides, models and bio-visual charts, which emphasize on developing scientific temperament in students.
* Basic equipments used in biology lab:
* Microscopes
* Slides.
* Test tubes, Petri dish and Beakers.
* Dyes and other indicators.
* Performing experiment is an interesting task; students enjoy it as they learn something new from the result.
* Students of 9th—12th are guided to perform the practicals.
* One of the aims of a school lab is to invoke an interest for research at higher classes in different branches of biology such as micro-biology, molecular-biology, genetics etc.
* At higher level, it provides a broad range of biological and biochemical techniques with in-depth practical training offered by experienced staff.
* Important routine work at these labs is carried in the field of microbial and molecular analysis and biological sample preparation.

***Our schools are desperately in need of modern science laboratories and laboratory demonstration. We need trained scientists, doctors and engineers who are especially competent and fully trained teachers of science in our secondary and senior secondary schools.***

***Undoubtedly, by a determined campaign, we can accomplish these ends in our way, sooner than later. The purpose is a lengthy one and we cannot afford to lose time. Therefore the pressing question is how quickly we can act to accomplish these requirements.***