

Shri Kalyan Rajkiya Kanya Mahavidyalaya, Sikar (Raj)

Department of Chemistry

- Laboratory experiments play an important role in understanding the concept of Chemistry. There are five laboratories for UG and PG students. The laboratories are equipped to execute the experiments as prescribed by the affiliating University in its curriculum. Each laboratory can accommodate 20 students working at the same time. The laboratories have variety of instruments like stalagmometers, viscometers, conductivity meters, and digital balances, burettes pipettes along with other required glass wares, reagents and materials.
- The practical in the laboratory is performed under the supervision of faculty members and a lab attendant for assistance. Safety measures and important instructions pertaining to the use of equipments are conveyed to the students. Instruments required during the class are issued against ID cards of students. While conducting an experiment, the student follows written procedures accurately and safely, demonstrates competence with lab equipment and measuring devices, and record data clearly and precisely.
- All laboratories are maintained by the laboratory staff. Laboratory wastes are managed as per government norms. For timely purchase of consumable and non-consumable items in the laboratories, requirements are proposed through departmental purchase committees and the teachers-in-charge. Stock registers for purchases and utilization of consumables are maintained. Physical verification of laboratories is done at the end of each session by a committee appointed by the Principal.



Shri Kalyan Rajkiya Kanya Mahavidyalaya, Sikar

Department of Physics

The department of Physics of Shri Kalyan Rajkiya Kanya Mahavidyalaya, Sikar was established in 2017. The department has rich teaching and laboratory work since its inception. The department offers 3 years undergraduate BSc (pass) and 2 years postgraduate MSc courses. The intake for the UG and PG programme is 176 (BSc part – I maths) and 50 (MSc pre) respectively. Some of the important instruments are four probe set up, spectrometer, BJT, FET, RC phase shift oscillator, Op- amp applications, microscope etc.



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Department of Mathematics

In the department of Mathematics, we have one UG laboratory. We have several computers set up in our laboratory. As per syllabus of BSc Part -III Maths, students solve various numerical problems by C – Programming, students of BSc Part – II solve various numerical problems by scientific calculators and students of BSc Part – I solve various LLP by simplex method, duality and assignment, transportation problems.



**SHRI KALYAN RAJKIYA KANYA MAHAVIDYALAYA,
SIKAR**

DEPARTMENT OF BOTANY

Botany lab is well equipped for undergraduate and postgraduate students to perform various botany practical's which are necessary for the study of the structure, properties, and biochemical processes of all forms of plant life, as well as plant classification, plant diseases, and the interactions of plants with their physical environment. The laboratory is spacious, well ventilated and are equipped with the necessary instruments such as Dissecting microscopes, compound microscopes, centrifuge machine, heating mantle, hygrometer, respirometer, botanical charts specimens and chemicals.



**SHRI KALYAN RAJKIYA KANYA MAHAVIDYALAYA,
SIKAR**

DEPARTMENT OF ZOOLOGY

In the department of Zoology we have one UG and two PG laboratories. As per syllabus we have preserved specimen, permanent slides and whole mounts. The equipments in the lab are centrifugal machine, weighing machine, Electrophoresis Kit, microscopes and a series of equipment with Chemicals to study haematology, biochemistry, cell biology, Genetics and fish Biology. we have charts and slides to study developmental biology also.

In the lab, we have arrangements for various Anatomical studies i.e., prescribed animals, trays and dissecting tools. For the study of bones, we have a collection of articulated and disarticulated bones. Our students prepare permanent slides using alcohol series and the material is provided either from the dissecting animals or preserved material is used.



