

Practical Experiments

Year	Name of Practical	Instrument used
2020-21	Colorimetric estimation of Fe	Colorimeter
2020-21	Colorimetric estimation of Cr	Colorimeter
2020-21	Determination of pH	Conductivity meter
2020-21	Separation of components in a mixture	Column chromatography
2021-22	Determine the concentration of a given analyte	Potentiometer
2021-22	Food adulteration techniques	UV chamber
2021-22	Chromatographic techniques for separation, identification and purification of components	Column chromatography
2021-22	Chromatographic techniques for separation, identification and purification of components	Thin layer chromatography
2021-22	Chromatographic techniques for separation, identification and purification of components	Paper chromatography
2021-22	Determination of conductivity of solution	Conductivity meter
2022-23	Determination of Ph of drinking water	Conductivity meter
2022-23	Inorganic mixture analysis	Ultra-Centrifuge
2022-23	Inorganic mixture analysis	Ultra-Centrifuge

New Practicals added

Year	Name of Practical	Instrument used
2020-21	Hydrothermal synthesis of nano materials	Autoclave, Hot air Oven, Magnetic stirrer, Ultrsonicator
2020-21	Synthesis of nano articles by sol gel method	Autoclave, Hot air Oven, Magnetic stirrer, Ultrsonicator
2020-21	Metal oxide nano material synthesis	Autoclave, Hot air Oven, Magnetic stirrer, Ultrsonicator
2020-21	Green synthesis of metal nano particles	Autoclave, Hot air Oven, Magnetic stirrer, Ultrsonicator
2020-21	Fabrication of polymer nanocomposites	Autoclave, Hot air Oven, Magnetic stirrer, Ultrsonicator
2021-22	Synthesis of metal cobaltite	Autoclave, Hot air Oven, Magnetic stirrer, Ultrsonicator
2021-22	Hydrothermal synthesis of Doped metal cobaltite	Autoclave, Hot air Oven, Magnetic stirrer, Ultrsonicator
2021-22	Fabrication of PVDF polymer composites for energy applications	Autoclave, Hot air Oven, Magnetic stirrer, Ultrsonicator
2021-22	Hydrothermal synthesis of binary hybrid	Autoclave, Hot air Oven,

	nanomaterials	Magnetic stirrer, Ultrasonicator
2021-22	Synthesis of Silver nano particle using green leaf extract	Autoclave, Hot air Oven, Magnetic stirrer, Ultrasonicator
2021-22	Synthesis of CuO nano particle using green leaf extract	Autoclave, Hot air Oven, Magnetic stirrer, Ultrasonicator
2022-23	Synthesis of Graphene oxide	Autoclave, Hot air Oven, Magnetic stirrer, Ultrasonicator
2022-23	Reduction of graphene oxide to graphene by chemical method	Autoclave, Hot air Oven, Magnetic stirrer, Ultrasonicator
2022-23	Reduction of graphene oxide to reduced graphene by green plant	Autoclave, Hot air Oven, Magnetic stirrer, Ultrasonicator