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not just constricted to the lecture method but also includes a practical knowledge of certain subjects. This way of education helps a student to grasp the basic concepts and principles. Thus, trying to break the stereotype that subjects like Physics, Chemistry, and Biology mean studying lengthy formulas, complex structures, and handling complicated instruments, we are trying to make education easy, fun, and enjoyable.

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Gurukul, 2021-06-15

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NCERT Biology Practical/Lab Manual/Project Class 12 Dr. Sunita Bhagiya, Megha Bansal, 2024-09-29

EXPERIMENTS

- 1 To study pollen germination on slide.
- 2 To study plant population density by quadrat method.
- 3 To study plant population frequency by quadrat method.
- 4 To study various stages of mitosis in root tip of onion by preparing slide in acetocarmine.
- 5 To study the isolation of DNA from available plant material such as spinach, green pea, seeds, papaya, etc.

SPOTTING

- 1 Pollination in flowers.
- 2 Pollen germination.
- 3 Slides of mammal tissues.
- 4 Meiosis cell division.
- 5 T S of Blastula.
- 6 Mendel's inheritance laws.
- 7 Pedigree chart.
- 8 Controlled pollination.
- 9 Common disease-causing organisms.
- 10 Symbolic Association in root nodules.
- 11 Homologous and analogous organs.

PROJECTS

- 1 To study the different means of pollination.
- 2 To study infectious diseases of humans.
- 3 To study birth rate and death rate in your village or town.
- 4 To study genetic disorders.
- 5 To study malaria causes and disorders.
- 6 To study causes, symptoms, and diagnosis of cancer.
- 7 To study causes, symptoms, and diagnosis of AIDS.
- 8 To study the applications and importance of Biotechnology.
- 9 At the time of COVID 19, what kind of problems did your acquaintance have to face when he got covid?
- 10 To study DRUG ABUSE.
- 11 Name the medicinal drugs which are banned all over the world.
- 12 Describe the response of biotic factors to abiotic factors in the environment.
- 13 Biodiversity and Conservation Practices in Indian Culture.
- 14 What has been the effect on pollution control after covid?
- 15 To study Management of sewage and waste materials.
- 16 To study the role of micro organisms in human welfare.
- 17 To study about harmful micro organisms.

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