



चौधरी महादेव प्रसाद महाविद्यालय C. M. P. DEGREE COLLEGE



(A Constituent P.G. College, University of Allahabad)

Under the Strengthening Component of DBT Star College Scheme

Website: www.cmpcollege.ac.in

Department of Botany

New Practical Introduced

Session 2020-2021

B.Sc. Part 1

1. To perform gram staining of bacteria.
2. To study symbiotic association of Cyanobacteria in Cycas coralloid root

B.Sc. Part 2

1. To determine Na (Sodium), P(Phosphorus), Li (Lithium) and Ca (Calcium) amount in given soil samples and plant parts with the help of flame photometer.
2. Separation of photosynthetic pigments through paper chromatography.

B.Sc. Part 3

1. To prepare cotton plug.
2. To prepare slants.
3. To pure culturing of microbes.

Session 2021-2022

B.Sc. Part 1

1. To calculate the size of *Equisetum* spores with the help of ocular and stage micrometer.
2. To prepare lichen herbarium.

B.Sc. Part 2

1. To determine the stomatal index and stomatal frequency in mesophytic, hydrophytic and xerophytic plants.
2. To study the different stages of mitotic division from onion roots.

B.Sc. Part 3

1. Study pollen grain germination during *in-vitro* condition.
2. Demonstration of PDA (Potato Dextrose Agar) medium preparation.



चौधरी महादेव प्रसाद महाविद्यालय C. M. P. DEGREE COLLEGE



(A Constituent P.G. College, University of Allahabad)

Under the Strengthening Component of DBT Star College Scheme

Website: www.cmpcollege.ac.in

Session 2022-2023

B.Sc. Part 1

1. Demonstration of heterothallism in fungi.
2. Demonstration of different glasswares and instruments.

B.Sc. Part 2

1. To prepare plant extract with the help of rotary evaporator for pharmacological analysis.
2. To estimate the pollen fertility from hibiscus plant.
3. To determine the water holding capacity of different soil.

B.Sc. Part 3

1. Demonstration of different methods of sterilization technique.
2. Isolation of crude DNA from banana.
3. To prepare artificial seeds.

Instruments Procured for the Practical



चौधरी महादेव प्रसाद महाविद्यालय



C. M. P. DEGREE COLLEGE

(A Constituent P.G. College, University of Allahabad)

Under the Strengthening Component of DBT Star College Scheme

Website: www.cmpcollege.ac.in



FLAME PHOTOMETER



REFRIGERATED CENTRIFUGE



चौधरी महादेव प्रसाद महाविद्यालय

C. M. P. DEGREE COLLEGE



(A Constituent P.G. College, University of Allahabad)

Under the Strengthening Component of DBT Star College Scheme

Website: www.cmpcollege.ac.in



DOUBLE DISTILLATION UNIT



WATER BATH



चौधरी महादेव प्रसाद महाविद्यालय C. M. P. DEGREE COLLEGE



(A Constituent P.G. College, University of Allahabad)

Under the Strengthening Component of DBT Star College Scheme

Website: www.cmpcollege.ac.in



AUTOCLAVE



INCUBATOR



ROTATORY
FLASK
SHAKER



UV-VIS
SPECTROPHOTOMETER

Alsingh

Departmental Coordinator

Alsingh
CONVENOR
BOTANY DEPARTMENT
C.M.P. College, Allahabad

Convener

Sarita Srivastava
Dr. Sarita Srivastava
Associate Professor
Coordinator DBT Star College
C.M.P. College
University of Allahabad

Coordinator, DBT Star College



चौधरी महादेव प्रसाद महाविद्यालय



C. M. P. DEGREE COLLEGE

(A Constituent P.G. College, University of Allahabad)

Under the Strengthening Component of DBT Star College Scheme

Website: www.cmpcollege.ac.in

Dr. Avinash Pratap Singh

Dr. Amita Pandey

Dr. Sarita Srivastava