ACADEMIC CALENDAR 2026-27

DEPARTMENT OF BOTANY

MAHARAJA BIJLI PASI GOVT. P.G. COLLEGE, ASHIANA, LUCKNOW

NAME OF TEACHER: DR. SMRATI MISHRA
DESIGNATION: ASSISTANT PROFESSOR
CLASS: M. Sc. I & III SEMESTER (APPLICABLE FROM JULY 2026)

S.No.	SEMESTER	COURSE NUMBER	Credit	UNIT	COURSE NAME	LECTURE	TEACHING PEDAGOGY	LEARNING OUTCOME	ANY OTHER DETAIL
1.	SEMESTER I	BOT-CC-103	4	UNIT I UNIT II UNIT III UNIT IV UNIT V	ALGAE AND BRYOPHYTES	12 12 12 12 12	LECTURE PPTs, NOTES ICT METHODS & INTERACTIVE SESSIONS	Students will be able to understand general features and different classes of algae, their origin and phylogeny. They will also be able to know the salient features, origin, phylogeny, evolution and fossil history and economic importance of bryophytes.	EVALUATION THROUGH ASSIGNMENTS, MID TERM EXAM AND GROUP DISCUSSIONS
2.	SEMESTER I	BOT-CC-104	4	UNIT I UNIT II UNIT III UNIT IV UNIT V	PTERIDOPHYTES, GYMNOSPERMS AND PALAEOBOTANY	12 12 12 12 12	LECTURE PPTs NOTES ICT METHODS & INTERACTIVE SESSIONS	Students will be able to understand general features of pteridophytes, their classification, phylogenetic associations, economic significance and fossil history.	EVALUATION THROUGH ASSIGNMENTS, MID TERM EXAM AND GD's
3.	SEMESTER III	BOT-CC-302	4		PRACTICAL BASED ON BOT-CC-301	30	LAB WORK & LECTURE	They will understand different aspects of above mentioned topics in a experimental way.	EVALUATION THROUGH EXPERIMENTS AND GD's
4.	SEMESTER III	BOT-EL-301A	4	UNIT I UNIT II UNIT III UNIT IV UNIT V	APPLIED BOTANY-I	12 12 12 12 12	LECTURE PPTs NOTES ICT METHODS & INTERACTIVE SESSIONS	The students will get an idea about impact of microorganisms on mankind ,the industrial algae and ,concept of IPM and understand the economic importance of Bryophytes, Pteridophytes.	EVALUATION THROUGH ASSIGNMENTS, MID TERM EXAM AND GD'
5.	SEMESTER III	BOT-IN-301	4		SUMMER INTERNSHIP	60	INTERACTIVE SESSION	STUDENT TRAINING PARTICIPATION	

ACADEMIC CALENDAR 2025-26

DEPARTMENT OF BOTANY

MAHARAJA BIJLI PASI GOVT. P.G. COLLEGE, ASHIANA, LUCKNOW

NAME OF TEACHER: DR. SMRATI MISHRA
DESIGNATION: ASSISTANT PROFESSOR
CLASS: M. Sc. II & IV SEMESTER (APPLICABLE FROM JANUARY 2027)

S.No.	SEMESTER	COURSE NUMBER	Credit	UNIT	COURSE NAME	LECTURE	TEACHING PEDAGOGY	LEARNING OUTCOME	ANY OTHER DETAIL
1.	SEMESTER II	BOT-CC-8	4	UNIT I UNIT II UNIT III UNIT IV UNIT V	CYTOGENETICS, PLANT BREEDING AND MOLECULAR BIOLOGY	12 12 12 12 12	LECTURE PPTs NOTES ICT METHODS & INTERACTIVE SESSIONS	The students will have detailed understanding of the structure and chemical basis of chromosome and the physical and molecular basis of inheritance and heredity. The students will learn about different aspects of Plant breeding and plant molecular biology in detail	EVALUATION THROUGH ASSIGNMENTS, MID TERM EXAM AND GROUP DISCUSSIONS
3.	SEMESTER II	BOT-CC-10	4		Practical based on BOT-CC-6 to Bot-CC-9	30	LAB WORK & LECTURE	They will understand different aspects of above mentioned topics in a experimental way.	EVALUATION THROUGH EXPERIMENTS AND GD's
4.	SEMESTER IV	BOT-CC-401	4	UNIT I UNIT II UNIT III UNIT IV UNIT V	CELL BIOLOGY AND PLANT BIOCHEMISTRY	12 12 12 12 12	LECTURE PPTs NOTES ICT METHODS & INTERACTIVE SESSIONS	The students will gain knowledge of the structural and functional aspects of the cytoskeletal system and membrane transport.Learn about secondary metabolites and its biosynthesis, also have an idea of programmed cell death.	EVALUATION THROUGH ASSIGNMENTS, MID TERM EXAM AND GROUP DISCUSSIONS
4.	SEMESTER IV	BOT-MT-401	8		MASTER THESIS	120	FIELD WORK LAB WORK & THESIS GUIDANCE	The students will get the necessary training for experimentation, writing thesis on assigned problem and the information collected through review of literature	EVALUATION THROUGH THESIS VIVA