ACADEMIC CALENDAR 2025-26

DEPARTMENT OF BOTANY

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

NAME OF TEACHER: DR. SMRATI MISHRA
DESIGNATION: ASSISTANT PROFESSOR
CLASS: B. Sc. (NEP 2020) (APPLICABLE FROM JULY 2026)

S.No.	SEMESTER	PAPER NUMBER	credit	UNIT	PAPER NAME	LECTURE	TEACHING PEDAGOGY	LEARNING OUTCOME	ANY OTHER DETAIL
1.	SEMESTER V	BOT-501T	4	UNIT I to UNIT V	CYTOLOGY, GENETICS, AND PLANT BREEDING	60	LECTURE, PPTs NOTES, ICT METHODS & INTERACTIVE SESSIONS	The students will acquire knowledge on ultrastructure of cell, genetics phenomenon and plant breeding methods	EVALUATION THROUGH ASSIGNMENTS AND DISCUSSIONS
2.	SEMESTER V	BOT-502T	4	UNIT I to UNIT V	PLANT PHYSIOLOGY	60	LECTURE, PPTs NOTES, ICT METHODS & INTERACTIVE SESSIONS	They will have knowledge on different, plant physiology phenomenon like transpiration, photosynthesis, respiration, growth, vernalization, plant hormones etc.	EVALUATION THROUGH ASSIGNMENTS AND DISCUSSIONS
3.	SEMESTER V	BOT-504IN	4		INTERNSHIP/TERM PAPER	60	PDF, PPTs , Website link, on Assigned Topics, ICT METHODS & INTERACTIVE SESSIONS	To develop proper understanding about assigned topic and initiate individual research work at small experimental level	EVALUATION THROUGH PRESENTATIONS AND VIVA-VOCE

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NAME OF TEACHER: DR. SMRATI MISHRA
DESIGNATION: ASSISTANT PROFESSOR
CLASS: B. Sc. VI SEMESTER (NEP 2020) (APPLICABLE FROM JANUARY 2027)

S.No.	SEMESTER	PAPER NUMBER	UNIT	credit	PAPER NAME	LECTURE	TEACHING PEDAGOGY	LEARNING OUTCOME	ANY OTHER DETAIL
1.	SEMESTER VI	BOT-601T	UNIT I to IV	4	PLANT BIOCHEMISTRY	60	LECTURE, PPTs NOTES, ICT METHODS & INTERACTIVE SESSIONS	The students will gain knowledge about biochemical constitution of plants & learn about the structure and classification of carbohydrates, lipids and amino acids, enzymes and their classification	EVALUATION THROUGH ASSIGNMENTS, AND DISCUSSIONS
2.	SEMESTER VI	BOT-602P	UNIT I to IV	4	CYTOGENETICS , PLANT PHYSIOLOGY & BIOCHEMISTRY	60	LECTURE & LAB WORK	They will interpret the Mendel's principles, acquire knowledge on cytoplasmic inheritance and sex linked inheritance. Learn about the various physiological processes and cellular metabolism in plants. Become familiar with various methods of biochemical analysis and enzyme activity	EVALUATION THROUGH LAB EXPERIMENTS AND DISCUSSIONS
3,	SEMESTER VI	BOT-603Ta	UNIT I to IV	4	PLANT RESOURCE UTILIZATION AND AI APPLICATIONS	60	LECTURE, PPTs NOTES, ICT METHODS & INTERACTIVE SESSIONS	The students will learn the introduction, cultivation and domestication of crops.Get an insight into the cultivation practices of some major crops. Learn about the commercial products obtained from plants and understand the basics of AI and its application in the field of plant resource utilization	EVALUATION THROUGH ASSIGNMENTS, AND DISCUSSIONS