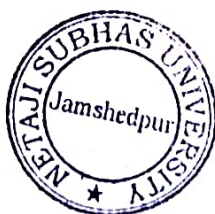


**CURRICULUM AND ITS RELEVANCE TO LOCAL /NATIONAL
/REGIONAL/GLOBAL NEEDS**
Undergraduate Programme

B.Sc. Botany Syllabus Relevance

Paper Code	Paper Name	Relevance (Global/National/ Regional)	Description
C-1	Algae and Microbiology	Global	Studies microbial diversity and algae's role in ecosystems. Supports biotechnological applications in medicine and industry.
C-2	Biomolecules and Cell Biology	Global	Focuses on molecular structures and cellular functions. Helps in biotechnology, genetics, and disease research.
AECC-1	Communicative English	National	Enhances language skills for better communication. Supports academic and professional growth.
C-3	Mycology and Phytopathology	Regional	Examines fungi and plant diseases in local ecosystems. Helps in developing disease-resistant crops.
C-4	Archegoniate	National	Studies bryophytes, pteridophytes, and gymnosperms. Helps in biodiversity conservation and plant evolution research.
AECC-2	Environmental Science	Global	Addresses global environmental issues and sustainability. Develops strategies for pollution control and conservation.
C-5	Morphology and Anatomy	Regional	Studies plant structure and adaptations to the environment. Helps in identifying plant species and their uses.
C-6	Economic Botany	National	Explores economically important plants and their uses. Supports sustainable agriculture and trade policies.
C-7	Basics of Genetics	Global	Studies inheritance and genetic variations in plants. Helps in breeding and genetic modification.
SEC-1	IT Skill	National	Develops digital literacy for academic and research work. Supports data analysis in biological studies.
C-8	Molecular Biology	Global	Studies genetic material and molecular mechanisms. Advances research in biotechnology and medicine.



Dear Sir,
Netaji Subhas University
Jamshedpur, Jharkhand

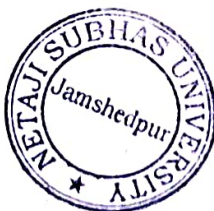
C-9	Plant Ecology and Phytogeography	Regional	Examines plant distribution and environmental adaptation. Helps in conservation and habitat restoration.
C-10	Plant Systematics	National	Classifies and identifies plant species systematically. Supports biodiversity conservation efforts.
SEC-2	IT Skill	National	Enhances data management and computational skills. Useful for research and bioinformatics applications.
C-11	Reproductive Biology of Angiosperms	Global	Studies flowering plant reproduction mechanisms. Helps in hybridization and crop improvement.
C-12	Plant Physiology	National	Examines physiological processes in plants. Helps in improving crop productivity and stress tolerance.
DSE-1	Natural Resource Management	Global	Focuses on conservation and sustainable use of resources. Helps in addressing climate change impacts.
DSE-2	Project Work	Regional	Provides hands-on experience in botanical research. Helps in applying scientific concepts to real-world problems.
C-13	Plant Metabolism	Global	Studies biochemical pathways in plants. Helps in improving crop efficiency and bioengineering.
C-14	Plant Biotechnology	Global	Advances genetic engineering and biotechnological applications. Supports crop improvement and pharmaceutical research.
DSE-3	Industrial and Environmental Microbiology	Global	Explores microbial applications in industries and the environment. Helps in biofuel, waste management, and food production.
DSE-4	Project Work	Regional	Involves field-based research on local plant species. Enhances practical



Dr. R. K. Singh
 Dean Academics
 Netaji Subhas University
 Jamshedpur, Jharkhand

CURRICULUM AND ITS RELEVANCE
TO LOCAL /NATIONAL/REGIONAL/GLOBAL NEEDS
DEPARTMENT M.A Political Science

SL.NO	Course Code	Course Name	Relevance (Local/National / Regional/Global)	Description (Importance for Student)
1.	FC1	Computer Science	Global	Equips students with essential digital skills and computational thinking for problem-solving in the modern world.
2.	POLS-1	Indian Political Thought, Basis, and Development	National	Basis, and Development" – Helps students understand the evolution of political ideas and philosophies shaping India's governance and society.
3.	POLS-2	Modern Indian Political Thought	National	– Examines key political thinkers and movements that influenced contemporary Indian politics and democracy.
4.	POLS-3	Modern Political Theory	National	Provides insights into contemporary debates, ideologies, and evolving concepts in political science.
5.	EC1	Research Methodology	Global	Develops analytical and empirical research skills necessary for academic and policy-oriented studies.
6.	POLS-4	Indian Government and Politics	National	Explores India's political structure, governance mechanisms, and key institutional frameworks.
7.	POLS-5	Western Political Thought	Global	Introduces foundational ideas and theories that have shaped global political systems and governance.



Dean Academic
Netaji Subhas University
Jamshedpur, Jharkhand