



GOVT DR SHYAMA PRASAD MUKHERJEE SCIENCE & COMMERCE

COLLEGE, KOLAR ROAD BHOPAL M.P.

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CROSS CUTTING ISSUES

Environment study A course intended to create awareness about the life of human beings which is an integral part of environment and to inculcate the skills required to protect the environment from all sides. After study this course the students must know about the environment components, pollution, biodiversity and ecosystem. Learning outcomes of course to understand various aspects of life forms of plants and animals ecological processes and the impacts on them by the human antnropocene etc. To build capabilities to identify relevant environment issues, analyses the various underlying causes, evaluate the practice and policies and develop frame work to make inform decisions.

Annual Quality Assurance Report of Government Dr Shyama Prasad Mukherjee Science and Commerce College develop empathy for all life form awareness and responsibility towards environment protection and nature preservation. To develop the critical thinking for shaping strategies such as scientific social economic, administrative and legal, environmental protection, conservation of biodiversity. Environmental equity and sustainable development are also useful in competitive exams. Moral Values Moral values are the behavioural practices, goals and habits which are validated by the society. The fundamental goal of education is to create a cultured society. This goal can be accomplished by instilling ethics, values and morality in students. As a reputed educational institution we recognized the importance of instilling principal and faulting our societal obligations for the benefit of the students. A variety of activities such as lecture series and seminars on ethical values and morality are organized. Programmes are also conducted for the benefit of the faculty and staff personnel. This year outreach programmes are also expected to be organized. Moral values are considered necessary for the students.

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also expected to be organized. Moral values are considered necessary for the students. Moral values are a part of the syllabus, prescribed at UG level by the Department of Higher Education M.P. Bhopal. In the syllabus of Hindi language (Foundation Course) a unit of moral values is prescribed in all three years of UG. The syllabus contains the stories of motivation personalities.

The Indian knowledge system has been made an integral part of the curriculum under National Education Policy-2020 in various subjects which are as follows:

Economics: Green Revolution, development of Tourism, Employment oriented Scheme in Madhya Pradesh and NITI Aayog.

History : History of Ancient India and Idea of Bharat, Jainism, Buddhism, and Indian Culture.

Geography: Indian Jarava Tribes.

Political Science: Indian Constitution and Indian Ideology.

Botany: Indigenous Knowledge.

Chemistry: Contribution of Ancient Indian Scientists in Metallurgy, Dyes, pigments, Cosmetics, Ayurveda, Charak Samhita and Ancient Indian Chemical Techniques.

Physics: Historical background of Thermodynamics and statistical Physics in the context of India and Indian culture, Contribution of S.N.Bose in statistical physics and brief Biography of Varahmihira and Vikram Sarabhai with their contribution to science & society.

Mathematics: Brief biography of Aryabhatta, Bhaskaracharya and Varahmihira.

Computer Science: Contribution of Indians in the field of Computer, Architecture and related technologies.

The following options are available for the students of Science and Commerce stream under Generic Elective subjects:

- Sociology of India
- Indian National Movement
- Communicative English

Foundation Course has been made compulsory for all the students. Under this course, the students are taught about “Yoga & Meditation”, “Language & Culture” and “English Language & Indian Culture”. For sensitizing the students on gender issues, “Women Empowerment & Gender Equity Cell” is functional in the College. Apart from this papers on “Women Empowerment” and “Personality Development & Character Building” are being introduced in the curriculum. The institution aims to ensure the holistic development of the youth by involving them in NSS/NCC/Physical Education. This will enable them to broaden their outlook and raise them above parochial ideas of caste, religion etc. and will feel proud about their heritage and culture. The institution also aims to create awareness and appreciation about the rich diversity of Indian Culture, tradition and knowledge of different parts of India. Towards this direction, under the program “Ek Bharat Shreshta Bharat”, the students from Assam were invited and Cultural Exchange Programme was organized by the college in January 2019.

Courses Addressing the cross cutting issues relevant to Gender & Women Empowerment, Environment and Sustainability, Human Values and personality development, Yoga & Meditation ,NCC/NSS, Physical Education into the Curriculum.

S. No.	Name of Programme	Papers	Issue Addressed
1.	M.Sc. Chemistry	1. Environmental Chemistry	Environment and Sustainability
2.	M.Sc. Zoology	1. Environmental Limiting Factors 2. Environmental Sustainability Development 3. Environmental Monitoring and Impact Assessment	Environment and Sustainability
3.	M.Sc. Botany	1. Ecology and Environment 2. Ecosystem Development and sustainability 3. Utilization & Conservation of Plant Resources	Environment and Sustainability
4.	B.Sc. Biotechnology	1. Environmental Biotechnology	Environment and Sustainability

5.	B.Sc. Botany	1. Diversity of Lower Plants 2. Diversity of Higher Plants	Environment and Sustainability
6.	Foundation Courses (UG)	1. Hindi Language and Moral Values 2. English Language 3. Entrepreneurship Development	Human Values and Professional Ethics
7.	Ph. D. Programme	1.Environmental Issues	Environment and Sustainability

