

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD
Department of Pollution

PROGRAMME SPECIFIC OUTCOMES

After completing the course the students would be able to :

1	Aquire basic,scientific concepts of many of current environmental issues and happenings.
2	Upgrad the competency and different skills nessary for environmental protection.
3	Assess the effects of pollutants and suggest the control.
4	Apply the environmental conservation strategies.
5	Undertake the post graduate releated program releated to environmental science.





Head

Department of Pollution
Yashwantrao Chavan College of
Science, Karad



Principal

Yashwantrao Chavan College of Science, Karad

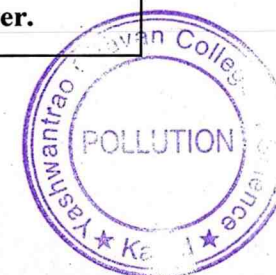
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD
DEPARTMENT OF POLLUTION

PO's for B.Sc. Pollution are as follows

PO1	Provide basic knowledge of the different environmental factors.			
PO2	Identify and propose preventive measures for control of environmental pollution, etc.			
PO3	Evaluate and provide basic knowledge of the different biogeochemical cycles .			
PO4	Understand and explain sources of environmental pollution .			
PO5	Recall the students about historical episodes related to environmental tragedies.			
PO6	Identify and propose preventive measures for natural disasters such as earthquake, floods, droughts etc.			
PO7	Recommend and understand different prevention strategies for industrial safety and management..			
PO8	Provide technical knowledge for monitoring and controlling of pollution in lab and field operations.			
PO9	Develop ability and skills for environmental pollution control through an appropriate blending of theoretical			
PO10	Develop interest and ability to conserve the environment for sustainable development.			
Name of the programme	Paper Nos. for courses	Course code	Course Name	Course Outcome
				Upon successful completion of the course, students will be able to:
B.Sc. II Pollution	I	DSC IC47	Ecology and Environment	Describe the Ecological factors and community characteristics.
				Illustrate and define the describe types of ecosystem.
				Evaluate different environmental components and their importance.
				Understand the concept of biodiversity and explain the hot spots of biodiversity.
				Discuss the different types of biogeochemical.
B.Sc. II Pollution	II	DSC IC48	Environmental pollution	Explain concept and origin of pollution.
				Formulate impact of human activities on environment.
				Explain with examples different factors which affect on environmental pollution.
				Explain and discuss different types of environmental pollution.
				Illustrate the different environmental historical episodes.



B.Sc. Pollution	IIL	DSC ID47	Air and Water Pollution	Explain concept and type of air pollution.
				Investigate effects of air pollution human health, vegetation, momuments and environmental pollution.
				Justify preventive methodes of air pollutants with environmental consideration.
				Illustrate and analyze the type and sources of water pollution and water qualityparameters.
				Recommanded different biological andPhysico-chemical techniques for control of water pollution.
B.Sc.Pollution	IV	DSC ID48	Soil and Solid waste Pollution	Discuss origine,formation,compositionand soil profile.
				Illustrate the cause and effects of soil pollution.
				Recommended the control measures of soil pollution for sustaniable agriculture.
				Explain and evalute concept of solid wastepollution and cause and effects of solid waste pollution.
				Formulate different type of solid waste disposal methodes for mangement strategies.
B.Sc. Pollution	V	DSE E85	Biomedical Aspects of Pollution	Formulate the fundamental concept of aerobiology.
				Aware about pathogenic waterborne diseases and their control measures.
				Elucidate various concepts of biomedical aspects of pollution.
				Identify and describe the different pollution indicators and pollution indices for control of water pollution.
				Examine different methodes for fecal contamination of water.



B.Sc. Pollution	VI	DSE E86	Environmental Legislation	Explain the international and global movements regarding with environment protection..
				Understand role of various agencies in monitoring and control of pollution.
				Elucidate the role of environmental legislation in India.
				Formulate procedures for obtaining environmental clearance for industrial projects.
				Describe and the functions of State and Central Pollution Control Board
				Examine and explain activities and achievements of MPCB.
B.Sc.Pollution	VII	DSE F85	Monitoring and Recycling of Pollution	Understand and provided knowledge about recycling and monitoring of pollution
				Create awareness about single cell protein in food nutrition and pollution control .
				Analyze characteristics and treatment of agrobased industrial waste like dairy,sugar mill etc
				Discuss application and use of aquatic plants for waste water treatment.
				Analyze sampling method with CPCB standards and formulate different equipments for control of air pollution.
				Illustrate the concept and process of Environmental Impact Assessment and Environmental Audit.
B.Sc. Pollution	VIII	DSE F86	ISO and Environmental Safety	Explicate about ISO standards and safety measures in industries.
				Create awareness about role of safety management in industries.
				Elucidate industrial safety and policies and propose safety.audit accidental reporting etc.
				Illustrate different factors and causes of fire and management.



				Analyze and use of modern method of programe for industrial safety.
				Provide knowledge about disaster management tsunami,landslides etc with suitable examples.



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Head

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Principal

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