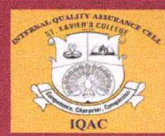


7.1.2

Syllabus of University of Rajasthan Covering Environment Issues

Syllabus of University of Rajasthan Covering Issues Related to Environment and Sustainability



7.1.2

Details of Courses Addressing Issues Relevant to Environment and Sustainability in the Curriculum of University of Rajasthan

1. **C3- Environmental Studies**

- Unit 1 The Multidisciplinary nature of Environmental Studies
- Unit 2 Natural Resources and Challenges
- Unit 3 Ecosystems Concepts, Structures, Functions and Types
- Unit 4 Biodiversity and its conservation
- Unit 5 Environmental Pollution and Control measures
- Unit 6 Social issues, Environment, Law and Sustainability
- Unit 7 Human Population and Environment

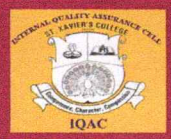
Economics

- 2. **P II: Indian Economy: Sec A** –Role and Importance of Agriculture in Indian Economy, Land reforms, food security
- 3. **PVI(b) Environmental Economics- Sec A**-Sustainable development: Concepts and measurements, **Sec B** Development and Environment- Environmental problems, Global warming and Climate change, **Sec C** International environmental policy- Environmental governance in India, WTO and Environment
- 4. **PVI(c) Economy of Rajasthan- Sec A** : Human Resource, Natural Resources Endowments: Land, Water, Livestock and Wildlife, Agriculture: Land reforms, Land utilization, cropping pattern.

PXIII (MA Optional paper)- Environmental Economics

Geography

- 5. **P II Geography of Rajasthan**- Environment pollution, Desertification, Soils, Water resources, Solar energy, Bio Energy
- 6. **PIII Resources Geography**- Natural resources, Resources utilization, Sustainable development
- 7. **PIV Human Geography**- Impact of human activities on Environment, Vegetation, soils, Drainage, Water resources
- 8. **PV World Regional Geography**- Drainage, Climate, Natural vegetation, Soils



9. **PVI Geography of India: Sec A** Vegetation, soils , Drainage, Water resources, Irrigation, Minerals and Power resources, **Sec B** Human resource development, **Sec C** Environmental issues in India

Political Science

10. **P-III: Political Ideologies(Hons):** Environmentalism
11. **PXI (B) Global Politics (Hons)–** Environmental agreements, Climate change and Sustainable development
12. **P6/S6 International Relations since World War II and Indian Foreign Policy**
Explores contemporary Global Issues such as Human Rights, Environmental issues and Gender justice.

English

13. **PII Eng Lit :Elizabethan Age and Metaphysics-** The Retreat, The Garden
14. **PIV Pre Romantics and Romantic Lit- Sec A** London, **Sec B** Lines Written Above Tintern Abbey
15. **PV Nineteenth Century Poetry and Drama-Sec B** Spring and Fall
16. **PIX American Literature**
17. **PI (II Yr) Poetry and Drama – Sec A, Sec B-** On Killing a Tree
18. **PI Poetry and Drama (III Yr PC, Subsi) Sec A** Dover Beach, Sea and the Skylark
19. **P III Pre Romantics and Romantics (MA)- Sec C-** Ode on a Grecian Urn, Ode to Nightingale
20. **P IV Indian writing in English and in Translation(MA Final) Sec B-Final** Solutions
21. **PV (B)American Literature (MA Final) Sec A:** E Dickinson, **Sec C-** Fall of the house of Usher

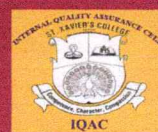
BSC Part II (Zoology) :

22. **PIII- Immunology, Microbiology & Biotechnology- Sec C** Environmental Biotechnology, metal and petroleum recovery, pest control, wastewater treatment

BSC Part III Zoology

23. **PII Ecology, Environmental Biology and Evolution- Sec B-** Environment and its concepts, Natural resources, Environmental pollution, Greenhouse effect, Impact of Urbanization, Ozone layer depletion, El –Nino, La I Nina effect ,Wildlife conservation

BSC Part III Botany



24. PII- Ecology and Economic Botany- Unit I , Unit II

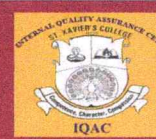
Economics

25. P-XII-A/S-VI Environmental Economics

Study about the Relationship between Environment and Economy. Topics related to Environment and Development: Natural Resources, Sustainable Development, Green GDP find mention

26. MA ECO Prev OP I-A Environmental Economics

Deals with Environment and Development: Natural Resources, Sustainable Development, Green GDP, Knowledge about Environmental Legislation, Environmental economics, Economy-environment interaction.



7.1.2

Details of Add-on Courses & Swayam Courses Addressing Issues Relevant to Environment and Sustainability

Total Number of Courses

3

Certificate Courses Related to Environment

Sr No	Course Title	Course Code	Description
1.	Certificate Programme on Biophysical and Computational Sciences	BSC/CC/BP-22	This course is a combination of biophysical and computational sciences and involves applying computational tools and techniques to analyze, model, and simulate the physical aspects of biological systems.

Swayam Courses Related to Environment

2.	Business and Sustainable Development	noc22-mg85	It covers briefings on specific sustainable development topics from a business perspective, strategies, tools to incorporate the principle of sustainability into everyday business activities and business opportunities arising from sustainable development. The underlying rationale for the course is to present a vision of the way in which firms include sustainable development as a key component of the decision-making process.
3.	Energy Economics And Policy	noc22-hs105	The course aims at broadening the vision of students while making any energy related decision as a technology developer, energy manager, entrepreneur, policy maker, researcher in future or simply for personal energy use in day to day activities.