



# ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+' Grade by NAAC(CGPA:3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & STAR College Scheme by DBT

## Faculty of Arts

### SUBJECT: ECONOMICS

#### B.A. VI Semester

#### DSE I

#### Paper-Environmental Economics

### Course Outcomes

| CO. No. | Course Outcomes   | Cognitive Level |
|---------|---|-----------------|
| CO 1    | After completion of the course the students will be able to develop clear understanding of the inter-relationship between environmental and developmental issues. | U and An        |
| CO 2    | Students will be able to comprehend the various forms and dimensions of developmental and environmental issues.   | R and U         |
| CO 3    | The students will ground the environmental study into current issues and real life experiences.   | U and App       |
| CO 4    | The students will be able to understand the concepts of Pollution Charges, Pollution Permit, recycling and removal of waste material.                             | U and App       |
| CO 5    | The students will be able to quantify and value natural resources and ecosystem by analysing the concept of Green accounting.                                     | U and An        |

### Credit and Marking Scheme

|                  | Credits  | Marks    |          | Total Marks |
|------------------|----------|----------|----------|-------------|
|                  |          | Internal | External |             |
| <b>Theory</b>    | 4        | 40       | 60       | <b>100</b>  |
| <b>Practical</b> | -        | -        | -        | -           |
| <b>Total</b>     | <b>4</b> | -        |          |             |



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## Evaluation Scheme

|               | Marks   |  |
|---------------|---|--|
|               | Internal  | External                                     |
| <b>Theory</b> | 4 Internal Exams of 10 Marks<br>(During the Semester)<br>(Best 3 will be taken) | 1 External Exams<br>(At the End of Semester) |

## Content of the Course

No. of Lectures (in hours per week): 3 Hrs. per week

Total No. of Lectures: 45 Hrs

Maximum Marks: 60

| Units | Topics   | No. of Lectures |
|-------|--|-----------------|
| I     | <b>I Introduction of Environmental Economics</b><br>1. Meaning, Scope, Importance and Factors of Environmental Economics<br>2. Inter-relationship between Environment, Ecology and Economics<br>3. Five Elements of Nature- Indian Concept and Importance of Earth, Air, Water, Fire and Space.<br>4. Vedic Perspective on Environment<br>5. Material Balance Model<br>6. Environmental Kuznets' Curve- Empirical Evidences<br>7. Economic Policies of Environment           | 15              |
| II    | <b>II Environment and Economic Development</b><br>1. Environmental Problems<br>2. Economic Development and Environmental Damage<br>3. Inter-relationship between Environment and Agriculture<br>4. Inter-relationship between Environment and Industry<br>5. Meaning and Reasons for Market Failure and Externalities<br>6. Sustainable Economic Development and Environment<br>7. Concept of Sustainable Development as Per Hinduism, Buddhism, Jainism, Sikhism and Islam. | 15              |



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|     |   |    |
|-----|---|----|
| III | <b>III Environmental Estimation and Management</b><br>1. Estimation of Environmental Effects<br>2. Pollution Charges, Pollution Permit and Trading System<br>3. Recycling and Removal of Waste Material<br>4. Environmental Issues in Developed and Developing Countries                                      | 15 |
| IV  | <b>IV Green Accounting</b><br>1. Green Accounting- Meaning, Objectives and Importance<br>2. Challenges of Green Accounting<br>3. Green GDP and Green Accounting in India<br>4. Integrated System of Environmental and Economic Accounting (IEEA)<br>5. Environmental Risk- Meaning, Importance and Management | 15 |

## Suggested Readings:

1. Eugene Odum-Textbook of ecology, Vrinda Publication, New Delhi
2. Smith Stephen (2019) Environmental Economics: A Very Short Introduction. Oxford University Press
3. Parithran K.V. -Text Book of Environmental Ecology: New Age Publication, Delhi
4. Charles D. Kolstad (2008) - Environmental Economics, Oxford University Press.
5. Pathak, H. K. (2010) Economics of Environmental Development, G. S. Rawat for Cyber Tech Publication.
6. Bhattacharya, R. N. (Ed.) (2001) - Environmental Economics: An Indian Perspective. Oxford University Press, New Delhi.
7. Jhingan, M.L. Environmental Economics, Vrinda Publication, New Delhi..
8. Singh Arun Kumar - Environmental Economics, Deep and Deep Publications Pvt. Ltd., New Delhi
9. Books published by M.P. Hindi Granth Academy, Bhopal
10. त्रिपाठी, दयाशंकर पर्यावरणीय अध्ययन हिंदी प्रकाशन समिति काशी हिंदी वि.वि., काशी
11. भट्ट, प्रभा - पर्यावरणीय अर्थशास्त्र. म.प्र. हिंदी ग्रंथ अकादमी, भोपाल (म.प्र.)
12. माहेश्वरी, पी.डी. पर्यावरणीय अर्थशास्त्र कैलाश पुस्तक सदन, भोपाल (म.प्र.)
13. शर्मा.पी.डी. - पारिस्थितिकी एवं पर्यावरण, रस्तोगी पब्लिकेशन, मेरठ
14. नारायण कुमार अमरेंद्र, डॉ. एम. आर. सिंह- पर्यावरणीय अर्थशास्त्र, बिहार हिंदी ग्रंथ अकादमी, पटना
15. मध्य प्रदेश हिंदी ग्रंथ अकादमी, भोपाल द्वारा विषय से संबंधित प्रकाशित पुस्तकें

