

COURSE ADDRESSING CROSSCUTTING ISSUES
ISLAMIAH COLLEGE (AUTONOMOUS)
VANIYAMBADI

Ability Enhancement Course (AEC I)	SEMESTER I	Credit	1
		Hrs./Week	2
	(All UG I Year From 2018-19 onwards)	Exam Hrs.	3
COURSETITLE	VALUE EDUCATION	U8VED101	

Unit I

1. Definition and relevance in present day
2. Good values to be followed by individuals
3. Values related to self, society, culture, organization, country development, goodness and self-esteem

Unit II Family

1. Family and family values – responsibility of the family
2. Neutralization of anger, adjustability and threats of family life
3. Status of women in family – society, caring for needy and elders, time allotment and sharing

Unit III Ethics

1. Definition –Types – Ethical Values
2. Professional Ethics – Mass Media Ethics – Advertisement Ethics
3. Leadership qualities – personality development

Unit IV Social Values

1. Definition –faith - service - secularism – social senses and commitment
2. Students and Politics – Social Awareness – Consumer Awareness
3. Rights and Responsibility – Rights to Food and Shelter, good education, medical care and attention, to earn in right and good manner

Unit V Global Issues

1. Definition – Effect of International Affairs on values of life – Issues of Globalization
2. Environmental Issues
3. Mutual respect for different culture, religion and their values

TEXT BOOK:

Value Education: M. Uma Maheswari & K.R. Lakshmi Narayanan, Nanilam Pathipagam, Chennai

ABILITY ENHANCEMENT COURSE (AEC2)	SEMESTER II	Credit	1
		Hrs./Week	2
	(All UG I Year From 2018-19 onwards)	Exam Hrs.	3
COURSE TITLE	ENVIRONMENTAL STUDIES	U8ENV201	

OBJECTIVES:

- To develop the sense of awareness among the students about environment and its various problems.
- To develop proper skill required for the fulfillment of the aims of environmental education, educational evaluations and to solve environmental problems through social, political, cultural and educational processes.

Unit 1: Introduction to environmental studies and Ecosystems

(5 lectures)

- Multidisciplinary nature of environmental studies;
- Scope and importance; Concept of sustainability and sustainable development.
- What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems:
 - a) Forest ecosystem
 - b) Grassland ecosystem
 - c) Desert ecosystem
 - d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit 2: Natural Resources: Renewable and Non-renewable Resources

(5 lectures)

- Land resources and land use change; Land degradation, soil erosion and desertification.
- Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.
- Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state).
- Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies.

Unit 3: Biodiversity and Conservation

(5 lectures)

- Levels of biological diversity : genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hotspots
- India as a mega-biodiversity nation; Endangered and endemic species of India
- Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.
- Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

Unit 4: Environmental Pollution

(5 lectures)

- Environmental pollution : types, causes, effects and controls; Air, water, soil and noise pollution
- Nuclear hazards and human health risks
- Solid waste management: Control measures of urban and industrial waste.
- Pollution case studies.

Unit 5: Environmental Policies & Practices

(5 lectures)

- Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture
- Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).
- Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.

Unit 6: Human Communities and the Environment

(5 lectures)

- Human population growth: Impacts on environment, human health and welfare.
- Resettlement and rehabilitation of project affected persons; case studies.
- Disaster management: floods, earthquake, cyclones and landslides.
- Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan.
- Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.
- Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).

Unit 7: Field work

(5 lectures)

- Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.
- Visit to a local polluted site-Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds and basic principles of identification.
- Study of simple ecosystems-pond, river, Delhi Ridge, etc.

BOOKS FOR STUDY

1. Environmental Studies, Bishop Heber College, Tiruchirappalli, Tamil Nadu, India
2. Sengupta, R.2003.*Ecology and economics: An approach to sustainable development*.
3. Singh, J.S., Singh, S.P. and Gupta, S.R.2014.*Ecology, Environmental Science and Conservation*.S.Chand Publishing, New Delhi.
4. Sodhi, N.S., Gibson, L.& Raven,P.H.(eds).2013.*Conservation Biology:Voice From the Tropics* John Wiley & Sons
5. Thapar, V.1998.*Land of the Tiger:A Natural History of the Indian Subcontinent*.

BOOKS FOR REFERENCE

1. Carson, R. 2002. *Silent Spring*. Houghton MifflinHarcourt. Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press.
2. Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge
3. Grumbine, R. Edward, and Pandit, M. K. 2013. Threats from India's Himalayas. *Science*, 339:36-37.
4. McCully, P. 1996. *Rivers no more: the environmental effects of dams* (pp. 29-64), Zed Books
5. McNeill, John R. 2000. *Something New Under the Sun: An Environmental History of the Twentieth Century*.
6. Odum, E. P., Odum, H. T. & Andrews, J. 1971. *Fundamentals of Ecology*. Philadelphia: Saunders.
7. Pepper, I. L., Gerba, C. P. & Brusseau, M. L. 2011. *Environmental and Pollution Science*. Academic Press.
8. Rao, M. N. & Datta, A. K. 1987. *Waste Water Treatment*, Oxford and IBH Publishing Co. Pvt. Ltd.
9. Raven P. H., Hassenzahl, D. M. & Berg, L. R. 2012. *Environment*. 8th edition. John Wiley & Sons.
10. Rosencranz, A., Divan, S., & Noble, M. L. 2001. *Environmental and policy in India*. Tripathi 1992.
11. Warren, C. E. 1971. *Biology and Water Pollution Control*. WBSaunders.
12. Wilson, E. O. 2006. *The Creation: An appeal to save life on earth*. New York: Norton.
13. World Commission on Environment and Development. 1987. *Our Common Future*. Oxford University Press.

CORE PAPER I	SEMESTER I	Credit	5
		Hrs./Week	6
COURSE TITLE	RESEARCH METHODOLOGY	Exam Hrs.	3
		MPH8CO01	

Objective: To infuse research flair among research scholars by developing their research aptitude.

UNIT – I: Introduction

(18 Hours)

Meaning of Research and Scope of Research Methodology – Stakeholders of Social Research – Significance of Research in Social Science – Identification of Research Problem – Formulation of Research Questions – Pilot Study – Meaning and Components of Research Design – Review of Literature (Theory only)

Research Ethics

Ethics and Research Aims - Moral Justifications of Research - Responsibilities of Researchers - Areas of research which raise ethical issues - Ethical issues in the use of information and communication technology - Code of Ethics

UNIT – II: Hypothesis

(18 Hours)

Hypothesis – Meaning and role – Structure – Relationship between variables – Types – Strong and Weak – Sampling Theory – Sampling Methods and Techniques – Sampling size – Sampling error (Theory only)

UNIT – III: Data Collection

(18 Hours)

Data Collection – Sources – Primary and Secondary – Data matrix – Unit of data collection – Methods and tools of data collection – Interview and questionnaires and their types – Scaling and Testing Techniques – Reliability and validity of instruments – Uses of Information Technology in data collection (Theory only)

UNIT – IV: Data Analysis

(18 Hours)

Data Analysis – Analysis of quantitative data – Descriptive statistics – Test of significance – Parametric tests and non-parametric test – Chi-square Test – ANOVA test – Interpretation – Application of SPSS for Data Analysis (Both Theory & Problems)

UNIT – V: Report Writing

(18 Hours)

Report writing – Significance of report writing – Different steps in writing report – Layout of Research Report – Types – Technical report – Popular report – Mechanics of writing a report (Theory only)

Weightage of marks: Theory 50 marks & Problem 25 marks

Reference Books:

1. R. Kothari, Research Methodology, Methods and Techniques, Wiley Eastern Ltd. New Delhi.
2. Paul Oliver, The Students guide to research ethics, Mc.Graw Hill Open University Press, Second Edition, 2010
3. D. Amarchand, Research Methods in Commerce, Emerald Publishers, Chennai.
4. R. L. Anderson., H. D. Berry., M. Poole, Thesis and Assignment Writing, Wiley Eastern Ltd., New Delhi.
5. H. Bernard Russel, Social Research Methods (London: Sage)
6. S. P. Gupta, Statistical Methods, Sultan Chand & Sons, New Delhi

COMMON PAPER	SEMESTER II	Credit	-
		Hrs./Week	2
COURSE TITLE	HUMAN RIGHTS	Exam Hrs.	3
		P8HR2001	

Objective: To make the students know the different dimensions in connection with the Human Rights.

UNIT – I

(5 Hours)

Definition of Human Rights – Nature, Content, Legitimacy and Priority – Theories on Human Rights – Historical Development of Human Rights.

UNIT – II

(5 Hours)

International Human Rights – Prescription and Enforcement till World War II – Human Rights and the U.N.O. – Universal Declaration of Human Rights – International Covenant on Civil and Political Rights – International Covenant on Economic, Social and Cultural Rights and Optional Protocol.

UNIT – III

(5 Hours)

Human Rights Declarations – U.N. Human Rights Declarations – U.N. Human Commissioner.

UNIT – IV

(5 Hours)

Amnesty International – Human Rights and Helsinki Process – Regional Developments – European Human Rights System – African Human Rights System – International Human Rights in Domestic courts.

UNIT – V

(5 Hours)

Contemporary Issues on Human Rights: Children's Rights – Women's Rights – Dalit's Rights – Bonded Labour and Wages – Refugees – Capital Punishment. Fundamental Rights in the Indian Constitution – Directive Principles of State Policy – Fundamental Duties – National Human Rights Commission.

Books for study:

1. **K. Mohanasundaram**, Human Rights: Theories and Practice, Concept Publishing Company (P) Ltd., New Delhi.
2. **Begum S**, Human Rights in the New Millennium, APH Publishing Corporation, New Delhi.

Books for Reference:

1. **Ram Ahuja**, Social Problems in India, Rawat Publications, Jaipur.
2. **B.Goswami, ed.**, Human Rights and Reforming the Law Raj Publishing House, Jaipur.
3. **Rekha Roy**, Women's Rights in India: A Feminist Perspective, Akasha Publishing House, New Delhi.