CS5CRT13 : IT & Environment (Core)

Unit 1: Introduction to Internet and Environment (10 hrs)
Internet- Internet as a knowledge repository, academic search techniques, creating cyber presence. Academic websites.
Multidisciplinary nature of environmental studies -Definition, scope and importance, Need for public awareness.

Unit 2: Impact of IT in E-Learning (12 hrs.)
Introduction to use of IT in teaching and learning, Learning Management System-Moodle, Edmodo, etc. Academic services– A note on INFLIBNET, NPTEL, NICNET.

Unit 3 : IT and Society (18 hrs.)
IT & Society- issues and concerns- digital divide, IT & development, the free software movement.
IT industry: new opportunities and new threats, software piracy, cyber ethics, cybercrime, cyber threats, cyber security, privacy issues, cyber laws, cyber addictions, information overload, health issues- guidelines for proper usage of computers, internet and mobile phones. Impact of IT on language & culture.

Unit 4 : E-waste and Green Computing (14 hrs.)
E-waste- Problems- Solutions-Impact of e-waste in living beings and environment- a study on e-waste management in India.
Green computing, definition, meaning, scope. Green computing in India.

Unit 5: Human Rights (18 hrs.)
An Introduction to Human Rights, Meaning, concept and development –History of Human Rights-Different Generations of Human Rights- Universality of Human Rights- Basic International Human Rights Documents - UDHR ,ICCPR,ICESCR.-Value dimensions of Human Rights

Human Rights and United Nations
Human Rights co-ordination within UN system- Role of UN secretariat- The Economic and Social Council- The Commission Human Rights-The Security Council and Human rights- The Committee on the Elimination of Racial Discrimination- The Committee on the Elimination of Discrimination Against Women- the Committee on Economic, Social and Cultural Rights- The Human Rights Committee- Critical Appraisal of UN Human Rights Regime.

Human Rights National Perspective
Human Rights in Indian Constitution – Fundamental Rights- The Constitutional Context of Human Rights-directive Principles of State Policy and Human Rights- Human Rights of Women-children –minorities- Prisoners- Science Technology and Human Rights- National Human Rights Commission- State Human Rights Commission- Human Rights Awareness in Education.

Case Study:

The students need to view the film "Samaksham", a film on environment produced by Mahatma Gandhi University Creations and submit a compulsory assignment reviewing film. The review is considered for internal mark assessment.

References:

1. K.L. James, The Internet: A User's Guide 2nd Revised edition, PHI publication.
2. Bharucha Erach, Text Book of Environmental Studies for undergraduate Courses. University Press, IInd Edition 2013 (TB)(https://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf).
3. Barkha and U Rama Mohan, Cyber Law & Crimes, 3rd Edition, Asia Law House.
4. Rakesh Johri, E-waste: Implications, regulations, and management in India and current global best practices, Teri publications.
5. Alan Evans, Kendall Martin, Mary Anne Poatsy, Technology in Action, Pearson.