

SEMESTER V

HUMAN RIGHTS AND ENVIRONMENTAL STUDIES

CORE

CN5CRT15

CREDIT: 4

Hours/Week:5

Module I

UNIT 1

Environmental Sanitation and Health

Safe water supply- Sources of water in the community, problems of impure water, Protection of water supply and purification methods, Rain water harvesting, use of water in prevention and treatment of diseases.

UNIT 2

Disposal of Refuse and Excreta- Types of refuse and health hazards, Methods of disposal of dry refuse, wet refuse and excreta, Community education for refuse and sewage disposal.

Module II

UNIT 1

Biodegradation: Biodegradation, role of microbes in biodegradation, factors affecting biodegradation, biodegradation pathway of xenobiotics, recalcitrant xenobiotic compounds.

UNIT 2

Bioremediation:

Types of bioremediation, Types of reactions in bioremediation, bioremediation of contaminated soil and waste land.

Module III

UNIT 1

Space Nutrition: Physiological changes during space flight, types of space foods, space shuttle food system, and essential quality criteria required for space foods.

UNIT 2

Emergency feeding: Emergency situations arising from famine, earth quake, flood, tsunami and war, nutritional relief and rehabilitation, organizations involved in food distribution strategies.

Module IV

UNIT 1

Nutrition In High Altitude: Physiological Changes, Nutritional Requirement, Food supplements, special foods.

UNIT 2

Sea voyages: Food on board, possible socio cultural and psychological causes for malnutrition, psychosocial and physical stress, diet pattern.

Module V

Unit 1 - Human Rights

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

Unit 2 - 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.

Unit 3- 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.

Suggested readings

- Bamji M., Prahlad N., Vinodhini R (1998), *Text Book of Human Nutrition*. Oxford and IBH Publ. Co., New Delhi.
- Roday.S. (1999) *Food Hygiene and Sanitation*, Tata McGraw-Hill Publishing Co. Ltd, New Delhi.
- Marriott, Norman G. (1985). *Principles of Food Sanitation*, AVI, New York.
- Forsythe, S J. (1987) *Microbiology of Safe Food*, Blackwell Science, Oxford, USA.
- Southgate, D., Graham, D.H. and Tweeten, L., *The World Food Economy*, Blackwell Publishing, 2007.
- Gibney, M.J, Margetts, B.M, Kearney, J.M and Arab, L. (2005). *Public Health Nutrition*, Blackwell Publishing, USA.
- *Basic Documents in Human Rights*-Ian Brownlie.
- *Universal Human Rights in Theory & Practice*-Jack Donnelly.
- *Future of Human Rights*-Upendra Baxi.
- *Understanding Human Rights an over view*-O p Dhiman.
- *Reforming Human Rights* –D.p Khanna.
- *Human Rights in India Historical Social and Political Perspectives*-Chiranjivi J Nirmal.
- *Human Rights in Post Colonial India* Edited by Om Prakash Dwivedi and V. G Julie Rajan.