

Subject: Environmental Science & Ethics

Semester : VI

TOTAL MARKS: 100

TIME: 2HRS.

Question Pattern:

- Question 1 is compulsory: 25 Questions each Question carry 2 marks. (25×2=50)
- Question 2 - Short answer type attempt any 3 questions each Question carry 10 marks (10×3=30)
- Question 3- Long Question attempt any 1 Question (1×20=20)

Group A

Man, Environment and Society

Individuals rights and responsibilities towards clean environment. Approach of Vivekananda and Mahatma Gandhi towards youth, women and social development. Environmental ethics: Humanistic approach, ecological approach, theological approach. Ethical guidelines, what can you do for the society. Environmental movements: Chipko, Appiko. Tehri dam and Narmada bachao andolan, the Silent valley project. Role of the tribal people, women and NGO's in environmental protection.

Environmental issues

Global issues: Global warming and climate change; Acid rains; Ozone problem, Nuclear accidents.

Local issues: Water conservation: rain water harvesting, water management. Development and Rehabilitation problems. Waste land reclamation.

Environmental protection acts: Air (Prevention and control of pollution) Act; Water (Prevention and control of pollution) Act; Wildlife protection Act; Forest conservation Act. Enforcement of environmental legislation.

Sustainable development to create a balance between development and environmental protection.

Group B

Human population and environment

Population growth, population explosion, variation among nations. Environment and human health. Human rights. Women and child welfare. Role of information technology in environment and human health.

Biodiversity Conservation

Biodiversity: Introduction. Definition and Types. Biodiversity at the global, national and local levels. India as a mega-diversity nation. Biogeographical classification of India. Biodiversity hot spots. Significance of biodiversity. Reduction of biodiversity: the cause of concern. Conservation and management of biodiversity: In-situ conservation, Ex-situ conservation. Endangered and threatened species.