

Objective of H.V.

Value education aims at developing a deeper concern among the individual (person / students) for the well-being of the society.

Value means importance and education means knowledge. It's the process of inculcating, qualities of humanity, honesty, responsibility and empathy in a person.

The main purpose of value education is the character development of the students for the well-being of individual and society at large.

Element (Components) of value education:-

Honesty (Integrity), compassion, discipline, love, affection, industry, courage, frugality, service, non-violence, reverence, glory, gratitude, respect, guidance and care etc.

The four order of Nature :-

Material order \Rightarrow water, food, soil, gas

Bio - order \Rightarrow Plant, vegetation, forest

Animal order \Rightarrow Animal, birds, insects

Human order \Rightarrow Knowledge.

Techno-genic Maladies.

Now a days a lot of talk about many techno-genic maladies. Such as energy and material resource depletion, environmental pollution, global warming, ozone depletion, deforestation, soil degradation etc. all these seem to be man made problems.

Threatening (Jeopardy / Danger) the survival of life earth. What is the root cause of these maladies? and what is the way out in opinion?

On the other hand, there is rapidly growing endanger because of nuclear proliferation, (expansion), arms race, terrorism, breakdown of relationship, generation gap, depression and suicidal attempts etc. What do you think is the root cause of these threats to human happiness and peace? What would be the way out in our opinion?

Energy and material resource depletion :-

A resource is a physical material that human needs a value. such as air, water and land. Resource depletion is the consumption of a resource faster than its replenishment with the increasing population.

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(B) Environmental Pollution:-

The contamination of the physical and biological components of the earth atmospheric system such as extent that normal environmental process are adversely affected.

* Types of Pollution:-

Air Pollution

Water Pollution

Noise Pollution

Land Pollution (Soil)

Thermal Pollution

Radio-active Pollution

Roots / Causes / Reasons -

Mining and exploration

Agricultural activities

Burning of fossil fuels

Particulate matter

Use of plastics

Solutions

Using public transport.

Recycle & Reuse

Use filters for chimneys

Avoid use of crackers.

Avoid plastic bags.

Prevent forest fires & smoking.

Opinion -

- (i) Policy & regulation
- (ii) Individual actions
- (iii) Technological advancements.

(C) Global warming:- It is the long term warming of the planet's overall temperature.

Causes Generating power, manufacturing of goods, products.

Cutting down forests.

Using transportation individuals.

Developing buildings.

Solutions:-

Drive less as the necessity

Recycle more

Plantation of trees.

Promote forestation

Use less hot water

Avoid product with a lot of packaging.

Opinion:- Climate change is happening & that human activities are the primary cause.

(D) E-waste:- The rapid obsolescence of electronic devices leads to a growing accumulation of e-waste which poses a significant environmental hazard. Improper disposal of e-waste can release toxic substance into the environment.

- * Ozone depletion:- It is mainly caused by human-made chemicals that break down ozone molecule in the stratosphere.

Causes

Chlorofluorocarbons (CFCs)
Hydrochlorofluorocarbon (HCFCs)
Hydrofluorocarbon (HFCs)
Nitrous oxide (N_2O)
Volcanic eruptions.

Solutions:-

- Banning ozone-depleting substance (ODS)
- Using ECO-friendly alternatives.
- Promoting sustainable agriculture.
- Reducing air pollution.
- Stronger environmental policies.
- Public awareness
- Planting more trees.

- * Deforestation:- It occurs when forests are cleared for human activities & leading to environmental damage.

Causes -

Agricultural expansion.

Logging

Urbanization

Mining

Infrastructure development.

Forest fires
Illegal logging.

Solution:-

Reforestation and afforestation
Sustainable farming
Promoting eco-friendly product.
Strengthening laws & regulations.
Community involvement.
Protected forest reserves
Corporate responsibility.

* Soil Degradation:- It occurs when the quality & fertility of the soil decline due to natural and human activities.

Causes Deforestation

Overgrazing
Overuse of chemical fertilizers & ~~pestic~~ pesticides monocropping
Soil erosion
Urbanization & construction
Industrial pollution
Climate change

Solution Afforestation & reforestation.
Sustainable farming practices
Using organic fertilizers.

Reducing chemical use
Water management
Land use planning
Educating farmers

Viva Question

Q₁ What are the three major environmental issues?

Ans There are three major environmental issues are -
(i) Global warming and climate change.
(ii) Pollutions
(iii) Resource depletion.

Q₂ How do people damage environment?

Ans Due to over population.
Pollution

Burning fossil fuels & deforestation.

Q₃ How can we prevent pollution?

Ans We can prevent pollution by reducing waste, using clean energy, saving water, planting trees.

Q₄ How can we support the environment?

Ans By reducing our ~~comp~~ consumption, recycling and conserving water & energy.

Q5 What are 5 environmental elements / examples?

Ans Air, water, soil, natural vegetation (forest), fire

Q6 How can we protect our environment?

Ans Reduce, Reuse, Recycle

Educate

Conserve water

Choose sustainable (eco-friendly)

Plant more trees

Shop wisely.