

Time: 2.30 Hours

Marks: 75

N.B: (1) All the questions are compulsory subject to internal choice.

(2) The marks on the right indicate total marks.

QI. A. FILL IN THE BLANKS (ANSWER ANY 8)

8 marks

1. _____ is the primary source of energy (**SUN/MOON**).
2. Autotrophs are also called as _____ (**PRODUCERS/ DECOPOSERS**).
3. _____ cycle is simply known as water cycle. (**HYDROLOGICAL/ECOLOGICAL**).
4. Global warming is the _____ (**INCREASE/DECREASE**) in the earth's temperature.
5. The Wildlife Protection Act was enacted in the year ____ (**1972/1984**).
6. EIA means Environmental _____ Analysis (**IMPACT/ISSUE**).
7. _____ is an example of renewable energy. (**SOLAR/COAL**)
8. The outermost layer of the earth is called ____ (**CRUST/ MAGMA**).
9. _____ is a greenhouse gas (**WATER/METHANE**).
10. _____ (**PRE-AUDIT/POST AUDIT**) is the last stage in the environmental audit process.

B. TRUE OR FALSE (ANSWER ANY 7)

7 marks

1. Potential resources are those which are known to exist and may be used in future. **TRUE**
2. Global warming is damaging the earth's climate. **TRUE**
3. Overgrazing of animals is an important reason for desertification. **TRUE**
4. Petroleum is not a renewable energy source. **TRUE**
5. Pre-audit is the first stage in the environmental audit process. **TRUE**
6. Under ex-situ conservation, wildlife conservation is done in human captivity under human care. **TRUE**
7. Nuclear power plants use uranium as a fuel to extract energy from it. **TRUE**
8. The secondary sector of the economy extracts or harvest products from the earth. **TRUE**
9. Black soil is suitable for cotton. **TRUE**
10. Noise is measured in meters. **FALSE**

A.1. Discuss the various causes of bio diversity loss.

15 marks

1. Deforestation
2. Desertification
3. Global warming
4. Industrialization
5. Urbanization etc

OR

B.1. Discuss the various threats to energy resources.

15 marks

1. Depletion of energy resources
2. Natural disasters
3. Pollution
4. Industrialization
5. Urbanization

Q III.ANSWER IN DETAIL (ANSWER A OR B)

A.1. Discuss the non renewable energy resources with suitable examples.

15 marks

1. Non renewable energy comes from sources that will run out or will not be replenished in our lifetimes—or even in many, many lifetimes.
2. Coal
3. Oil
4. Natural Gas
5. Nuclear energy etc

OR

B.1. What is desertification? Explain the causes of desertification.

15 marks

1. Over grazing
2. Climate change
3. Overpopulation
4. Deforestation
5. Farming practices
6. Natural disasters etc

Q IV.ANSWER IN DETAIL (ANSWER A OR B)

A. 1.Discuss the environmental problems associated with agriculture.

15 marks

1. Soil pollution
2. Climate change
3. Waste management
4. Pesticides and fertilizers
5. Salinization

OR

B. 1Explain the different economic activities in detail. Also explain the impact of these on the

environment in detail.

15 marks

1. Water pollution
2. Air pollution
3. Soil pollution
4. Climate change and global warming
5. Depletion of natural resources

Q V. ANSWER A OR B

A. 1. Explain the effects of indoor air pollution.

8 marks

1. Respiratory problems
2. Eye and throat irritation
3. Cancer and other diseases

7 marks

2. Discuss various ways of conservation of soil resources.

1. Healthy agricultural practices
2. Organic farming
3. Afforestation etc

15 marks

OR

B.SHORT NOTES (ANSWER ANY 3)

1. Food chain. - A **food chain** is a linear network of links in a food web starting from producer organisms and ending at predators.
2. Geo thermal energy.- **Geothermal energy** is **thermal energy** generated and stored in the Earth. **Thermal energy** is the **energy** that determines the temperature of matter.
3. Effects of noise pollution on the environment.-Environmental pollution-Affects hearing capacity hypertension, high stress**levels**, tinnitus, hearing loss, sleep disturbances, and other harmful **effects**.
4. Natural resources. **Natural resources** are resources that exist without actions of humankind. On earth it includes: sunlight, atmosphere, water, land (includes all minerals) along with all vegetation, crops and animal life that naturally subsists upon.
5. Environmental Impact Analysis. –Understanding the impact of economic activities on the environment
