

Question no :- 01

Green house effect is a blessing.
Also discuss the enhance green house effect and its relation with global warming.

Green house effect is a natural process where certain gases CO_2 and methane trap sun's heat and make earth without it there is no life on earth but due to air pollution and too much cutting of trees these gases increase and lead to climate change and global warming.

discuss these part in more details; preferably by giving points.

Enhanced Green house effect:

Enhanced green house effect caused by human activities like burning of fossil fuel, vehicle emission, industrial discharge and use of fertilizers and Pesticides.

Relation to global warming:
Global warming is an average and gradual increase in the

Surface of earth. Global warming leads to melting glaciers, increasing sea level, and climate change.

Example:-

Using too many cars and factories release CO_2 which adds to greenhouse gases and cause global warming.



Question No :- 2

Write a note on
 • working of GPS
 • working of mobile phone

a) GPS

Global Positioning System.

- GPS is satellite-based system that shows exact location.
- It uses signals from at least 4 satellite.

- A GPS received in Phone or Car calculate position.
- GPS used in maps, tracking and emergency service.

Example:-

When we use Google map to find a restaurant, GPS tell us our location and the best route.

b) Mobile phone

- A mobile phone works through radio or cell tower.
- When we make a call, our phone connects to a nearest cell tower.
- Mobile phone also use a SIM card to identify the user.
- Through mobile phone we can send text, audio and data through 2G, 3G, 4G and 5G network.

Example:-

When you call your friend or family your signals connect to a nearest tower, which connect the call to your family or friend.

Question No:- 03

Write the steps involved in solid waste management. Discuss the main issue of solid waste management in our country.

Steps involve

1. Collection stage:-

- Encourage households and business to separate waste at the source.
- Use colour coded bin for easy identification of waste type.
- Implement regular collection schedule to prevent the accumulation

2. Recovery Process:-

Recovery process is a transfer process. It centralized facility which is preferable somewhere in the centre of the city. It is not a permanent.

3. Final stage:-

waste disposal:-

Final stage to dispose of the waste.

These are some methods in 1992:

- Open dumping
- Composting
- Incineration
- Land fill method

Open dumping:

- Open dumping is the open decomposition of the waste.
- Unsustainable method that must be discouraged.

Composting:

Control biological decomposition of the waste, as a result of which waste has to be converted into a product called composting.

Incineration:

Burning of waste through incinerators not by open burning.

Land fill method:

Underground burning of the waste.

Main issues in DUB Country :-

- People mix all waste together.
- Lack of Proper bins and truck.
- Open burning cause air pollution that is harmful for human.
- No awareness or education about waste management.

Example:-

Garbage of often thrown in open areas like Kabatti and Lahore, this lead to air pollution and health problems.



Question No = 04

What do you meant by population planning and highlight the benefit of population planning.

→ Population planning:

Population planning refers to strategies and policies aimed to controlling population growth through family planning, education, and healthcare.

Benefits:

i. Improved Health and education:

- Families with fewer children can spend more on healthcare and education.
- leads to healthy and educated society.

Example:

Parents can send their two or three children to school instead of struggling with five.

ii Environmental protection:

Less population pressure means reduced deforestation, pollution and depletion of natural resources.

DATE

Example::

countries with effective Population Planning have slowed resource degradation.
e.g. Costa Rica.

iii. Economic development::

Controlled population growth reduces pressure on jobs, housing and public services. It allows more investments per capita and improve living standards.

Example::

China's one child policy initially contribute to fast economic growth in 1980s - 90.

iv Empowerment of women::

Population Planning promotes women's autonomy through education and access to reproductive health.

Example::

In Pakistan, population stabilization is linked to high female literacy and healthcare access.