

where is the question????

Q:2 (Earth Summit)

1. INTRODUCTION:

In 1992,

the UN Conference on Environment and

development was held in Rio de

Janeiro, Brazil. It is also known as

'Rio Summit', or 'Earth Summit'. It was

the most successful multilateral event

concerning environment where 170+

countries - NGOs, activists - and many

other players participated. It

formulated a very comprehensive

framework for environmental

protection and sustainable

development by devising key

principles in the summit.

2. How was Earth Summit was an important step towards environmental protection and promotion of sustainable development?

• Fining the polluter

• Polluter bear

Responsibility
(CBDR)

• Sovereign rights

with
responsibilities

• Role of
communities &
women

• Immediate
Response

The Mechanism

includes

International
cooperation

Participation
and Awareness

key frameworks
under the

Agenda 21

4. Common but differential

Responsibility: Developed

Nation bear more responsibility,

after the industrial revolution, developed countries adopted it and moved ahead without considering or factoring in the environmental implications. Since the climate issues rose quickly after industrial revolution, the developed nations now bear more responsibility.

B. Ensuring sovereign rights with responsibilities:

~~Exploitation of Resources should not go beyond borders~~

In the summit, it was agreed upon that countries can exploit their natural resources to meet their needs. However, the environmental implications of exploited natural resources should not harm countries beyond borders.

C. Role of Communities indigenously and of women in fight against climate change:

the Summit

identified that women and
communities have a key role
to play in the fight
against climate change and
sustainable development.

D. Threats to deal with immediately without waiting for the actual disaster to happen:

Summit

in Rio also identified that
most natural disasters are due
to lack of attention given to
their level of destruction or
carelessness. Therefore, any threat
identified at primary stage shall
be considered a full-scale threat.

E. Public Participation and awareness as key way forward to withstand and fight climate change:

~~the Earth~~
summit identified that public have a key role in implementation of the climate related policies. Therefore, awareness among them is a must.

F. Countries all around the world and party to the summit shall cooperate on the key principles:

~~International~~
~~cooperation has a key role in success of the Rio summit.~~

Developed countries shall assist the developing nations in implementation of the framework.

9. Principle 3: sustainable

development in all
aspects of life is the
way forward

Among

the key principles. There was
a special key principle adopted
for sustainable development. It
was a successive achievement
after it was identified in
Brundtland Report.

4. Adopted United Nations

Framework Conference

on Climate Change: a

key framework in environmental
policy making

UNFCCC

was the most hyperopic
approach that was adopted
which would in future hold
Conference of Parties COP
every year.

I. UN Convention to

Combat desertification:

Important step towards
fighting and deterring
conventional problems

The

framework convention to combat
desertification was a testament
to the comprehensiveness of
the Rio Summit which identified
emerging problems.

J. Identified the role

of forests in fight
against climate change

by adopting non-binding
framework:

Although the

principles on forests were
non-binding, it paved
a way forward towards
identifying forests as key
in environmental policymaking.

3. Critical Analysis :

Although this framework or summit was a comprehensive one, it had some shortcomings. Which ultimately became reasons for lack of implementation. Also, developed countries criticized the Rio Summit because it put all the responsibility of climate change on them.

4. CONCLUSION:

The United Nations conference on Environment and development played a key role to ensure environmental protection and sustainable development.

However, it also had some shortcomings which can only be addressed through proper implementation and continuous reforms.

Q: 4

1. INTRODUCTION: Environmental Science as interdisciplinary subject

Environmental Science is indeed the most interdisciplinary subject one may encounter due to its relation with social sciences, physical sciences and many subjects. This vastness of environmental science makes it a very relevant and pertinent subject to address emerging issues in the changing global dynamics.

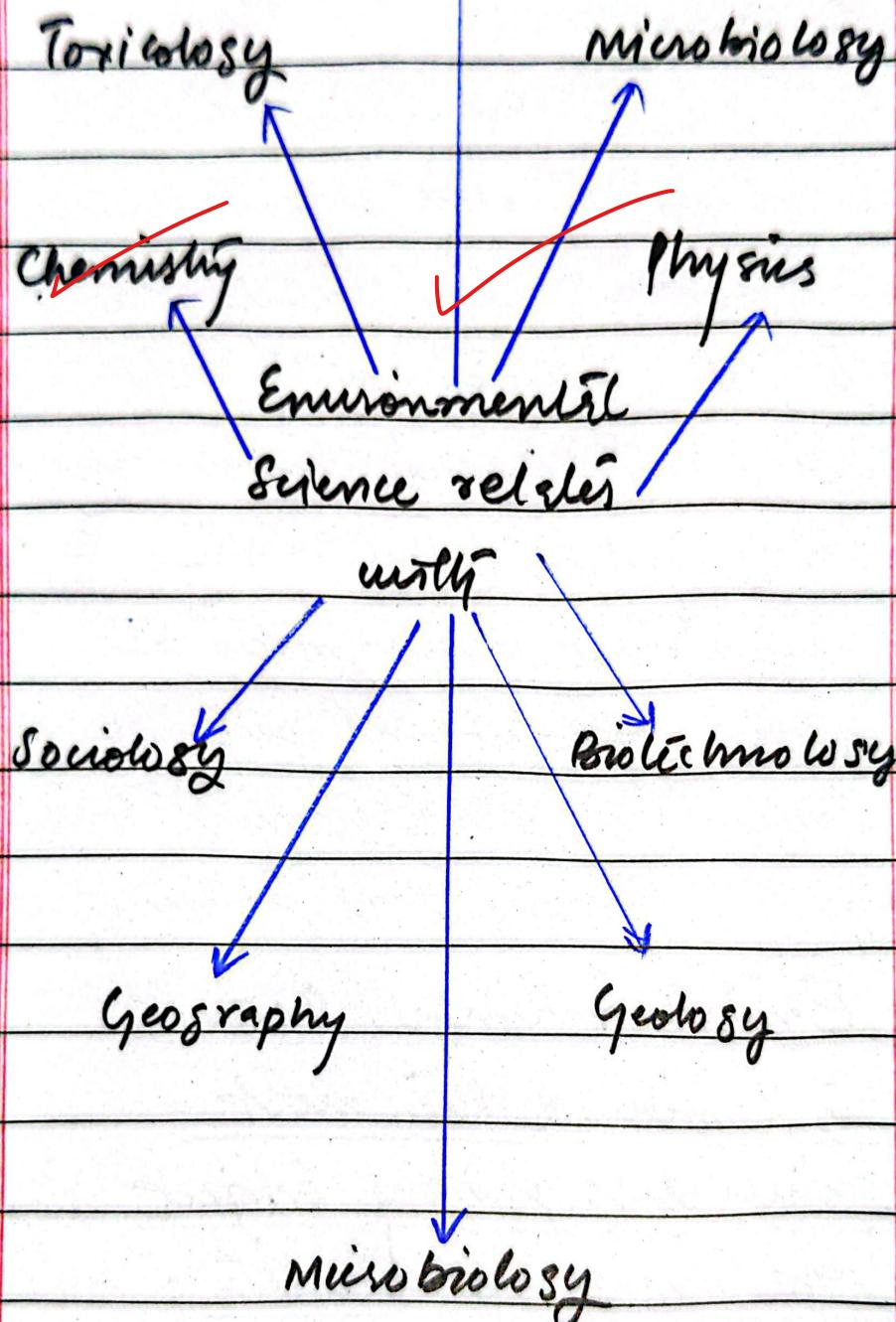
2. Environmental Science

is indeed the most interdisciplinary subject one may encounter:

the connection

of environmental Science with various disciplines is discussed ahead.

Economics



4. Environmental Science
and Economics: A
Key Relation

In Environmental Economics, the experts figure of many things including the valuation of environmental service.

Also, it studies how avoidance of potential environmental hazards result in saving of money due to environmental service.

Eg: Wetlands

B. Interconnection between Environmental Science and Sociology:

Environmental

Sociology is a vast discipline concerning how environment is relevant in social circles. It includes role of public - their responsibilities in addressing climate related problems.

Eg: Ecofeminism - where women or feminists mobilise to protect the environment

C. Biotechnology as a key discipline in advancements in the Environmental Science:

Environmental

Biotechnology has emerged as a key subject. In this technology is used to address the impacts of climate. For example, addressing food insecurity using modified seeds.

D. Use of Toxicological as a discipline to address toxicity in the environment:

Environmental

Toxicology is a subject in which play key role to detect toxicity in the environment.

For example, using toxicological research to remove Sulphur Dioxide from the air or understanding dose-response relationship.

E. Understanding the
geography of a region
to address its
persisting environmental
problems:

~~Environmental~~

Geography is a branch of
environmental science. It answers
why certain climate condition exists
in a region.

Eg: Variations in climate due to Topography

F. Geology as a key
discipline to analyze
the evolution of a
region's environment.

~~Environmental~~

Geologists study different materials
and their history to analyse
and figure out the
variations of climate of that
particular region historically
and composition.

Q. Under finding the
chemistry behind
environmental phenomena
to address root problems.

Environmental
chemists study chemistry behind
environmental phenomena to
understand their root cause.

Ex: Breaking down of Ozone (O_3)
by Chlorine (Cl) and Bromine (Br).

H. Advancements in
environmental protection
mechanisms using
physics:

Environmental
physicists work to address
key environmental issues by
applying the principles of physics.

Example:

Moving on to renewable
energy, using downward Kinetic
energy of river to generate hydroelectricity

I. Environmental

Microbiology: Addressing environmental issues using microorganisms

Environmental
microbiologists use microorganisms
to address issues of environment
and cleansing it using different
microorganisms.

Examples Using microorganism

to bioremediate the ocean to break
hydrocarbons during Exxon oil spill.

3. Way Forward: Using inter-disciplinary nature of Environmental Science to address emerging Climate threats:

The very
nature of environmental science
makes it a very relevant subject

to address the existing
and emerging global
environmental issues. Therefore, more research
should be encouraged in it.

4. Conclusion:

The nature of the subject of environmental science is very interdisciplinary. Developed and advanced countries ~~should~~ encourage advancements in it and should not oversee its importance.

Ultimately, proper utilization of this discipline will result in address of pertaining and persisting environmental issues.

satisfactory answer is relevant
over all need improvement in presentation skill

12/20