

Name: Biswa Subject: G.S.
 Time: ----- Maximum Marks: 100

		TO BE FILLED BY EVALUATOR
Question No:	Marks allotted	Comments
Q: 1	<u>15</u>	→ you can add <u>def.</u> to short topic.
Q: 2	<u>6</u>	
Q: 3	<u>5</u>	
Q: 4	<u>4½</u>	
Q: 5	<u>5</u>	
Q: 6	<u>4½</u>	→ Need recent development on the topic.
Q: 7		
Q: 8		
Q: 9		→ Attempt all questions for better results.
Q: 10		
Q: 11		
Q: 12		
Q: 13		
Q: 14		
Q: 15		
Q: 16		
Q: 17		
Q: 18		
Q: 19		
Q: 20		

Total Marks (Obtained):

Feedback/Comment/Suggestion:

40½ / 100

overall

— good

①

(a) In Situ conservation (def)

↙ ↘
National Park Sanctuary
this type of conservation happens when species is protected and allowed grow in its own original environment
N. Parks, Sanctuaries are examples

ex situ conservation

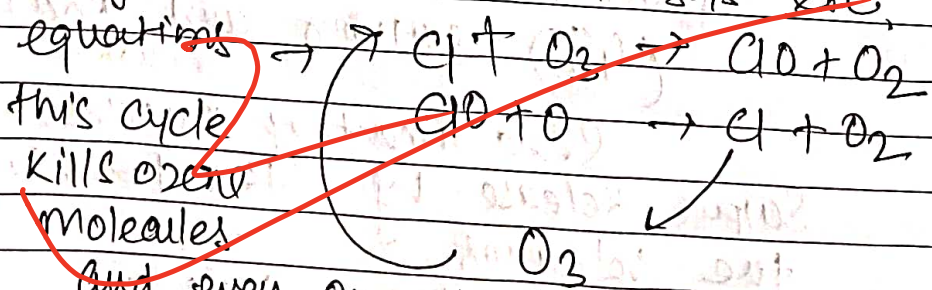
ex Botanical garden
zoo
Composting
Bio treatment at a
Bioplant

this type conservation happens outside the natural environments.
from Africa

- ↳ Leopards are brought and kept and grown population in Uttarakhand.
- ↳ ASIATIC LION in Gir National Park.
- ↳ In vitro fertilization in Lab etc.

(b) Ozone layer Depletion (def.)
first found in South pole Antarctica

Causes. → Chloro fluoro carbons from Refrigerators, coolants, Aerosols etc.



and even one chlorine atom can destroy many ozone molecules.

Impact of ozone layer Depletion
→ Ultraviolet rays keep coming to earth and causes skin cancer

In the species
→ UV rays also restrict germinating
powers

India does research at Dakshin
Gangotri at Antarctica to understand
the extent of ozone
depleting

(c) Biogeochemical cycles (def)

Objective → (i) to recycle the nutrients

(ii) Reducing pollution,

(iii) Utilization and

sustaining life on earth,

(iv) compensate for irregularities
due to anthropogenic activities.

example

(i) Carbon cycle

photosynthesis, carbon storage
and use of carbon by organisms

(ii) Nitrogen cycle

Nitrogen fixation to make
concentrable nitrogen to make
proteins

(iii) Sulphur and phosphorous
cycle

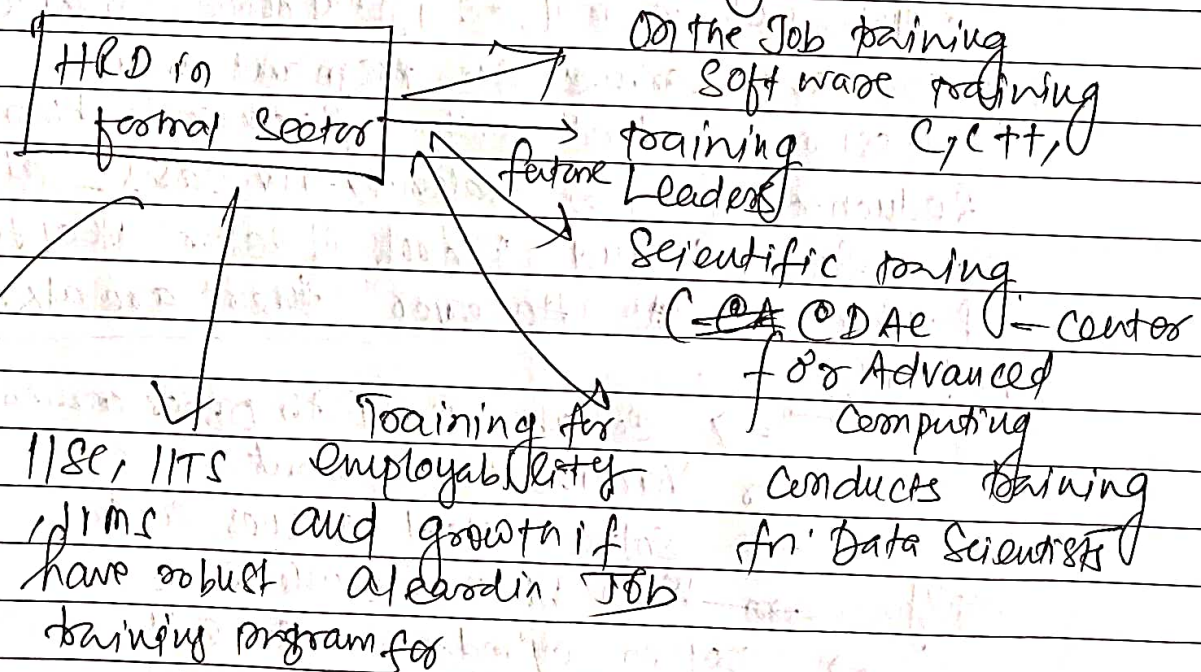
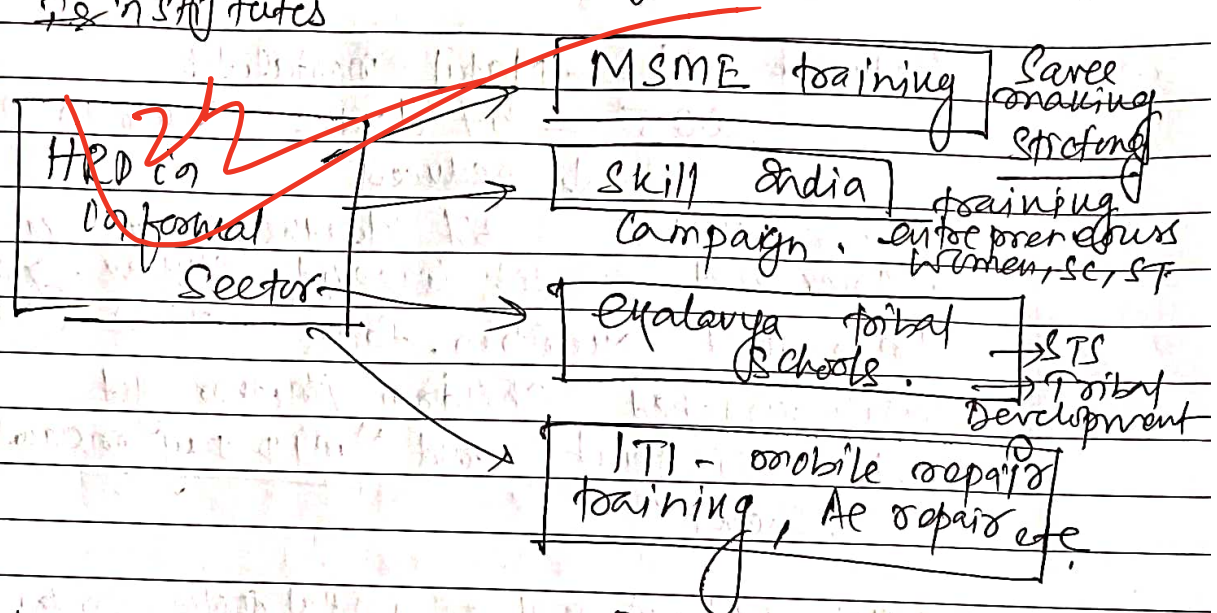
Sedimentary cycles,
Sulphur Release by Perforating and
the volcanos

(iv) Calcium cycle -

Calcination absorption through food
etc.

Human Resource Development

the most critical Aspect of Any organization or country is Human Resources. the development happens through skill & training and partnering with educational institutes



HRD in Corporate training → WIPRO University Infosys Mysore etc

for India, HRD is a critical aspect since there is a brain drain. Secondly employment opportunities are scarce and only HRD can fill the gap between the employees and job seekers

(g) Public Health Condition in India
Public health care conditions have improved over a period of time but still some shortcomings are there which were exposed during COVID-19 infection in India

Reduced Neo-Natal mortality

2005 - 57 deaths per 1000

reduced

2015 - 37 deaths

Increased ~~mortality~~ longevity 64 years $\rightarrow$ 68 yrs

Increased Nutrition focus (2005) (2015)

malnourished children/mother get govt assistance and "mid day meal scheme"

EVIN and Anmol - Digital tools to make health care services for pregnant women

Mission Indradhanush $\rightarrow$ "Ironmenization"

Reduction of TB, malaria, HIV cases - all these are factors and proof of better health of public. However there are also shortfalls

$\rightarrow$ Collaboration with other countries for vaccine development

$\rightarrow$ Solve Patent issues and comply with WTO, flexible norms

$\rightarrow$ Oxygen cylinder availability, strengthening Local Government and Health care

$\rightarrow$ Controlling private players
 $\rightarrow$ Health Insurance promotion like USA

So all these initiatives can help India improve its public health condition

Q6 Various vulnerable groups

Vulnerable groups are the groups or community of people who are most likely exploited and abused by majority or dominant groups because of their social status and poor empowerment.

Vulnerable group

Schemes and protective measures

Children

(Def. of child)

Age ≤ 18 years

→ Laws against child Labour, article 24

Rights of the child.

NC National Commission for Child Rights established
Child courts

Restoring Juvenile Delinquency

Women

→ Beti Bachao Beti Padhao.
Kanya Suraksha Yojana.

Law Article 21 → Right to

live in, Right to marry out of

Caste. Stringent law against people who impose violence against women.

LGBT Rights

→ Opportunity in Job

Recognition of 3rd Gender.

SC/ST

→ SC/ST Atrocities Act

338, 338 A article, Standup India.

Disadvantaged / Scheduled Areas

Traditional Dwellers Act

Reservation in Colleges / Jobs.

OBC

→ article 340

27% Reservation.

OLD Age people

→ Silver economy /

less main fair, Insurance etc.

Old Age homes.

Mind ities !

Date.....

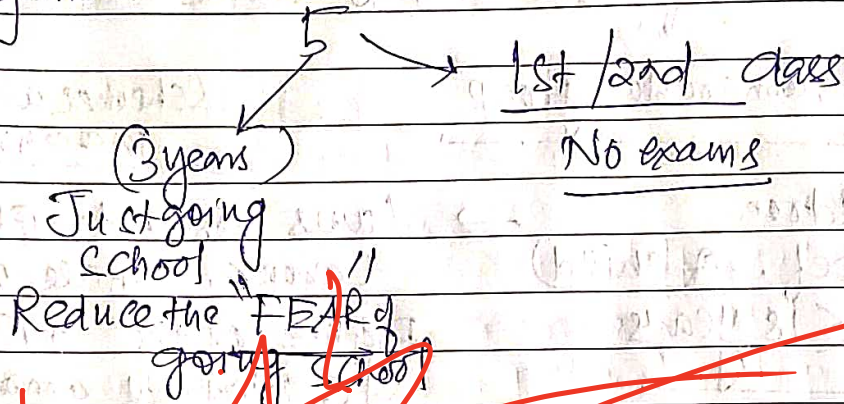
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07

New education Policy 2020

5+3+3+4 years instead of earlier
A B C D 10+2 years

A. Education and school starts at the age of 3 years.



B. Next 3 → ~~Preparatory~~ stage

C. 3 years → middle school → one has to learn India language.

D. 4 years → One foreign language (Mandarin) excluded No science / com / Arts

→ More Autonomy in selecting subjects of choice ex Biology + History possible

E the Graduation

Benefit

1st Certificate
year

2nd Diploma

3rd Degree

4th Research

M Phil

PHD

every year of education
now has value

Removed

4 years

Post Grad → 1 year for Research
or 2 year for Degree

Benefit if you have left squares
or between then you can continue from
where you left.

6% of GDP to be invest in Education
Almost Double of current Amount 2.7%.

Foreign Universities can now Set up their
Branch in India (But only top 50 Universities)
& overall It is a good Education Policy

Q2

EIA is the short form of environmental
Impact Assessment. It is a process of evaluating
the environmental impact of a proposed
project - taking into socio, economic, cultural
and human impacts.

Benefits

Sustainable
development

To find out adverse
impacts of foreign projects

Done Before Approving

The project, local participation,
Experts participation

Short coming

Lack of credibility
and fraudulent
EIA studies

Poor
quality
of EIA
reports

No public Hearing
at early stage

expensive
learning
experience

many projects are
exempted from
EIA studies which
have adverse
impact on EIA
studies

Way Ahead → ensure Impartiality and Independence of BIA

→ Involvement of public in all stages

→ Make Selection Committee to select experts

(3) Biodiversity is defined as the richness and variety of life on earth. It describes the variation and living organisms from different sources like terrestrial, marine and desert ecosystems and the ecological complexes associated with it.

Diversity is of 3 types

↳ genetic diversity → diversity in the same species
→ local banana
→ hybrid banana
etc.

Species diversity

Ecological Diversity

diversity in a community

→ tiger

→ cheeta

→ Black Panther

→ Leopard

Ecological diversity

↳ Diversity across deserts, forests, savana, & lake etc.

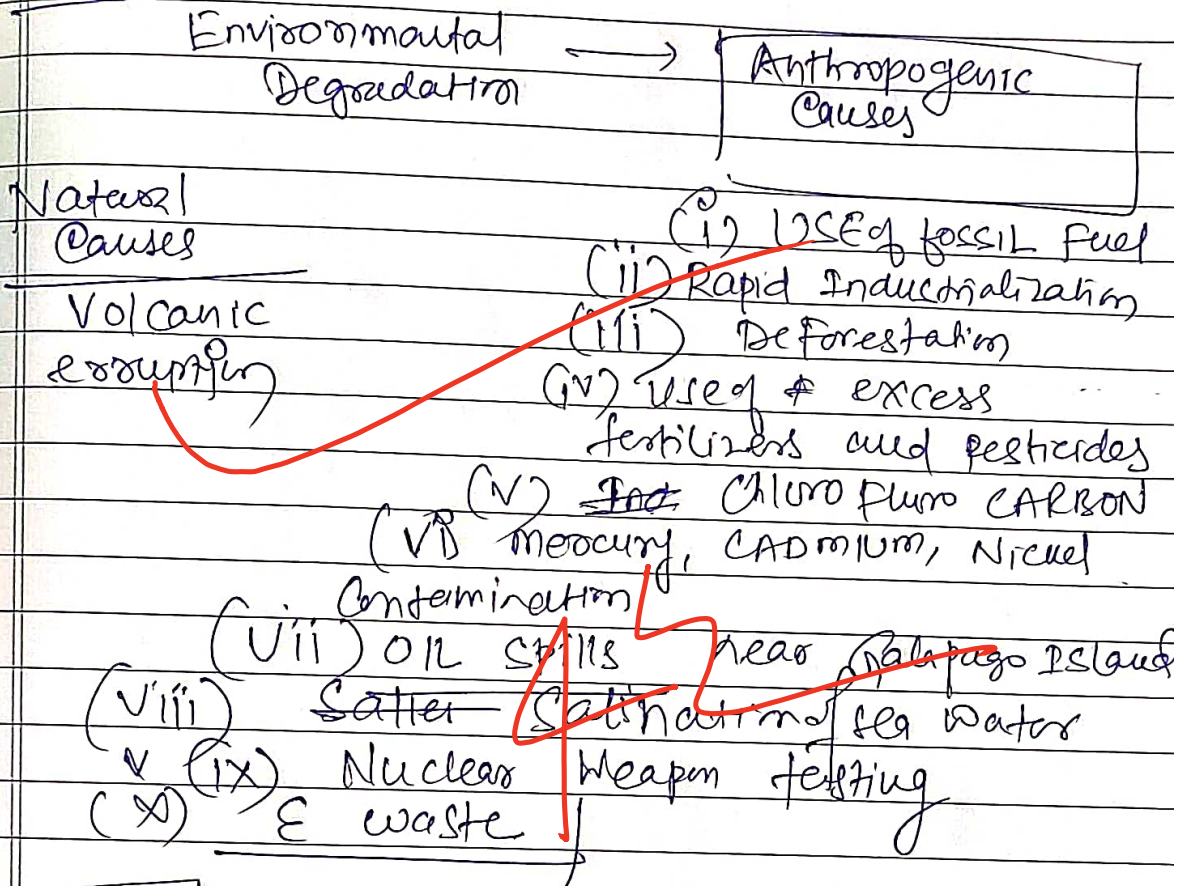
Importance of Biodiversity

(1)

Maintenance of Ecosystem

- ↳ SOIL formation & protection
- ↳ Recovery from unpredictable event
- ↳ Food, future resources
- ↳ Breeding stocks and population reservoirs

Q4



Result → Global temp rise
 CO₂ concentration increase
 Diseases, melting ice / genetic disorders, poor quality of life

Remedy

→ Stringent National Forest Policy

→ Declaring more National Parks

→ ~~Coordination~~ with Tribals to protect Jungles

→ BIO Enhanol.

→ maize, Yatropha

→ Renewable energy

(Q1) (h) As per the CAG reports of 2021 Odisha Universities are ~~are~~ NOT able to provide JOBS

Hence there is a lot of unemployment in Odisha. Apart from ~~str~~ structural reasons, there are many causes of unemployment

(i) Less No. of software and service companies

(As compared to South Indian States)

(ii) A large No. of people work in unorganized sector like Agriculture and because ~~our economy is agriculture~~ is ~~aided~~, there is ~~is~~ seasonal unemployment

(iii) patriarchy → women don't take up unemployment as they are discouraged

(iv) large chunk of Scheduled Caste and Tribal population from KBR district and coastal areas.

(v) Literacy is also another issue because of which ~~it~~ employability gets affected

Way Ahead

(i) Quality education

(ii) welcome POSCO, and other Industries to set up factories so that they can hire local people

(iii) ~~law~~ LAWS for protective discrimination of SC/STs and help them become self sufficient