

Priyanka...



# PLUTUS IAS

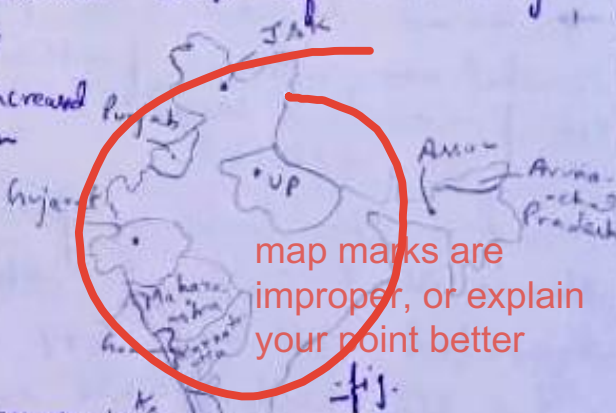
Argasia Education PVT. Ltd. ( GST NO-09AAPCA1478E1ZH)  
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Question:- what is desertification? Give reason for rise in desertification? what solution can India adopt to fulfill its target of achieving LON, under UNCCD by 2030?

- Answer - According to the "United Nations convention combat desertification, land degradation is the reduction or loss of biological or economic productivity resulting from land use or from a process or including human activities.

When land degradation occurs in dry land areas more than arid areas & dry sub humid areas it is referred to as desertification. Around 60% of India falls under dry land.

→ Desertification increased in most states, shown fig (s)



- The major anthropogenic activities responsible for desertification are as follows:

a) Deforestation:- The process of denuding a forested land initiates desertification. Since there is no vegetation to hold back the surface run-off which increases soil erosion, loss of fertility & loss of water.

you can keep it a bit your own words, for remembering in exam condition

don't distort the structure, first mention about man made and natural causes and then you can explain them

map marks are improper, or explain your point better

overgrazing:- Increasing cattle population heavily graze in grassland or forested and as a result denude the land area.

## Reason for Desertification

### Human factor

- Excessive use of fertilizer & pesticide
- reduce surface water supply
- loss of native vegetation
- Over grazing
- Over cropping
- Waste production & disposal
- farming
- Changes in land use
- Mining
- Excessive consumption

natural factors

### Climate change

- Global warming
- less Rain
- increase in salinization
- Soil erosion

→ Land degradation neutrality (LDN) is a condition where further land degradation is prevented and already degraded land can be restored.

As per the Indian Space Research organization shows that 30% of the country's land is degraded costing 1.7% of GDP. India is currently hosting the conference of Parties (COP17) of the United Nation convention to combat desertification and has announced a voluntary target to achieve land degradation neutrality by 2030.



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→ Solution to combat land degradation are as follows:-

- 1.) Increasing domestic public expenditure on protecting terrestrial ecosystem is important for tackling pressing social and economic challenges.
- 2.) Nature based solutions such as conservation of forests, practising organic agriculture & conservation of water bodies should get priority.
- 3.) Central government schemes such as Har Khet Ko Pan, More crop Per Drop, National afforestation Programme, National Rural employment guarantee scheme, Pradhan Mantri Krishi Sinchayee Yojana, Rashtriya Krishi Vikas Yojana & Health Card scheme are seen as prongs to tackle this land degradation.
- 4.) This January, India became part of the "Bonn challenge".
- 5.) The government represent a paradigm shift in land management policies & practices.

your answer is ok, but problem lies in structure, flow of information is not good

\*first intro

\*then causes - explanation or use some diagram to mention their names

\* then discuss a bit about LDN

\* then give solutions in that line, with names of schemes and program in every point, not all schemes in one point, which makes it a worthless pile

\*finally conclusion with some slotiin based approach, here you can mention about India's food security

marks 4/10