

Q. What is desertification? Give reason for rise in desertification? What solutions can India adopt to fulfil its target of achieving LDN under UNCCD by 2030? (200-250 words)

→ Desertification → It is the process by which the biological productivity of dry lands (arid and semi arid) lands is reduced due to natural or manmade factors.

→ Our Union Environment Ministry has committed to rejuvenate 50 lakh hectares (5 million) of degraded land between 2021 and 2030 to achieve land degradation Neutrality (LDN).

not appropriate position to put this fact. Start here with prob; tell about causes, move towards solution and then mention this data there, structure and flow is important

→ In 2015 India became part of "Bonn challenge".

• Schemes such as Pradhan Mantri Fasal Bima Yojana, Soil Health Card Scheme, Soil Health Management Scheme and Pradhan Mantri Krishi Sinchayee Yojana are seen as prongs to tackle this land degradation.

REASONS FOR RISE IN DESERTIFICATION -

① Overgrazing ⇒ an increase population results in larger desert area being farmed. Sheep, cattle and goats are overgrazing the vegetation. This leaves the soil exposed to erosion.

good but write in small points and cover more number of points, information is good but can you recall it in exam, should be kept in mind, like this Australia point

→ New South Wales (Australia) by loss of native Fauna, Border between Israel and Egypt. The Egyptian side to the left is overgrazed.

② Soil Erosion → this is made worse by overgrazing and the removal of wood. Population growth is the primary cause for soil erosion. Kerala (over 40%), Gujarat (26%), Diu and Daman (26%) etc.

③ Climate change - the global climate is getting warmer. In desert regions conditions are not only getting warmer but drier too. On average there is less rain now in desert region than there was 50 years ago.

④ Deforestation - A forest acts as a carbon sink  
Deforestation helo

### LDN Targets under UNCCD

- ① Rehabilitate/restore and sustainably managed degraded shrubs and vegetated areas for improved productivity and reduction in bush/wild fire by 2030
- ② Raise awareness about desertification
- ③ use of recycled paper
- ④ Reduce conversion of remaining forest to other types of vegetation and halt all illegal mining activities by 2030.
- ⑤ Rehabilitate all abandoned ~~legal~~ and illegal mineral mining and sand winning sites by 2030.

• Goal 15 of Sustainable Development Goals (SDG), 2030.

marks 4/10

→ The theme for 2019 was "Let's Grow the Future Together." to encourage people against depleting land of its inbuilt resources and "Food. Feed. Fibre?"