

Environment

2) North India faces more issues from stubble burning compared to South India. In this context, identify the reasons behind the issue and provide recommendations from South that will help the North to cope with the issue. (250 words)

Refer – [Down To Earth](#)

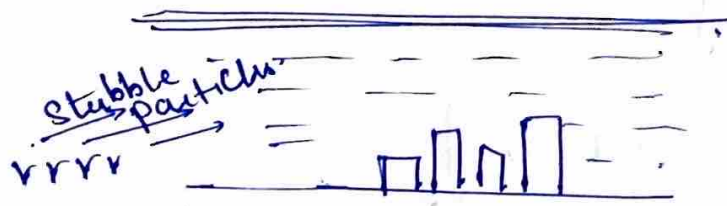
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Answer Questions in NOT MORE THAN the Word Limit specified for each in the Parenthesis.
(Specimen Answer Booklet - For Practice Purpose Only)

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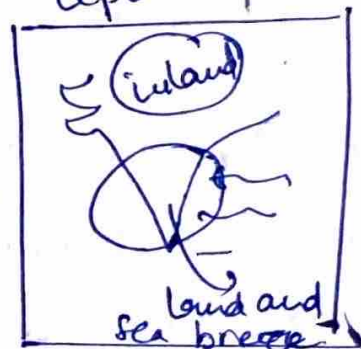
- ① Stubble burning is a process where farmer fire the stubble that is left just after the harvest for the next sowing. But this process is causing major problem in northern parts of india mostly due to geographical factors.

Geographical impact of stubble burning



Air that does not move in the winter upwards

- ① Due to the closed land geography of northern parts of india, in winter season the air gets cool on the surface layer and does not move upwards



- ② when the stubble ^{is} burnt, Stubble particles of (PM_{2.5}) will enter the atmosphere and move in the atmosphere



③ This leads to high contaminated fog formation and also leads to breathing problems.

④ A Report proved that the air we breathe in Delhi area is equal to inhaling of 10 cigarettes fog.

⑤ This is the reason behind it.

Reason Behind stubble Burning

① There are only 10 days from present harvest season to next sowing season to the farmer. i.e., stubble burning is the fastest way of clearing it.

② Farmer also says that the burning of stubble also gives new nutrients to the soil.

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- ③ costly machinery to remove stubble
- ④ labour intensive if manual workers are appointed

Measures to overcome the issues.

① Motive to produce climate resilient crops that will mostly not dependent on the seasons exactly like wheat & Rice.
ex: Ragi, Millets etc.

② Rental Machinery | government provided Machinery to the farmers in every panchayat

③ The removed stubble can also be used as cattle feed

④ Artificial Clouds in the worst cases of air quality etc

It is not just north | south, India as a whole need to take measures to end the stubble burning and related activities to overcome the issue of polluted air for better life.