

GS-3 - Environment.

5. Being cognizant of road safety, while working on environment sustainability is the need of hour. Elaborate.

Compact, easy, comfortable are attributes of Road safety. When Road safety, it has an added advantage of maintaining indirectly the environment sustainability.

Road safety & Environment sustainability.

chemicals in vehicles are toxic in nature, potential to degrade the environment.

Road crash.

Road accidents - in India - is largest in world, leading reason ~~for~~ R leakage in vehicles. Also leads to higher unusable end-use vehicles.

By 2025 - It is estimated ~~that~~ end-use vehicles will increase by 22.5 bn. increasing scrapage

scrapage policy - nascent

Indian scrapage policy 2021 remains in nascent stage despite being largest producer of automobiles. In absence of recycling framework.

no mechanism to control leakage of toxic chemical, harming the environment.

Speed is another major causative factor to Road crash Measures. ~~needed~~

1. Zero-Corridor fatality - model implemented in Mumbai-pune expressway in 2016, showed 52% reduction of mortality by 2020.

2. Green corridors initiative by government, preventing movement into wild, to ensure environment sustainability.

3. Vegetation - across the roads, will help in increased visibility on signage board, reducing road crash

4. Signage board - made of asphalt, ^{which} ~~is~~ ^{is} toxic is not sustainable. Hence Aluminium based composite panel, which can be recycled

for aluminium & plastic, a multi purpose use can be preferred. 5. Europe model - shows 10km/hr reduction in speed, reduced fuel by 12-18% & pollution way forward

Road safety as a new dimension to ensure environmental sustainability - is a innovative step, which can be considered by policy makers.