

GEOGRAPHY & ENVIRONMENT QUESTIONNAIRE

Торіс	Question
Saline solution: How MGNREGA helped Nagapattinam recover from the 2004 tsunami	• What are the effects of Tsunami on soil fertility?
	How MNREGA can be integrated with environmental projects?
	Do you think there is any relationship between environment and employment?
The first known 'space hurricane' pours 'electron rain'	How the hurricane was formed in ionosphere?
	What was the direction of its spin?
	• Whatarethesimilarities and differences of space hurricane with hurricane in troposphere?
	• Are the space hurricane present in other planets?
Could kelp help relieve ocean acidification?	Why ocean acidification is a cause of concern?
	• What types of seaweed can be grown in India?

	What are the potential benefits of Multipurpose Seaweed Park for the coastal community? Why the location is chosen at Chennai?
La Niña weather phenomenon	What is the effect of ENSO on Indian economy?What crops will benefit from La Nina in India?
INCOIS found a method of improving wave forecast	 What is Boreal Summer Intra-Seasonal Oscillation (BSISO)? How BSISO is related to height of wave in Indian Ocean?
Solar corona puzzle cracked	What is the relationship between corona and solar winds?How does Nano flare heats up corona?
WMO certifies Mega flash lightning extremes	What are mega-flashes?How will the lightening occur in sky?What causes thunder in the sky?
Earth's magnetic field is weakening	 What are the possible ramifications of this phenomenon? What difference technologies, we use in our daily life, are dependent on earth's magnetic field? What is geomagnetic reversal? How will this affect earth's ionosphere?
Cyclone Amphan	 What is the process to name a cyclone? What is the approx. speed of winds during cyclone? How will you protect the wildlife during such disaster?
Earth's seismic noise	 What is seismic noise? How will you utilize seismic noise data? What are the natural sources of seismic noise?



Extreme Heat Events in India's Cities: A Framework for Adaptive Action Plans	• Are loo and heat waves same?
Sudden stratospheric warming (SSW)	 How SSW was responsible for Australian Bushfire? How SSW affect polar vortex? How SSW affects the weather of Northern USA?
Giant iceberg A68a	What type of biodiversity can be found below the submerged part of an iceberg?
Moon controls release of methane in Arctic Ocean: Study	 What are the different sources of methane emission in Arctic? How moon is responsible in controlling methane emission from Arctic Ocean?
Mountain measurement	Why Himalayas are rising?What are the different techniques available to Measure Mountains?
Curving waves	What are the factors responsible for draughts in India?How jet streams effect Indian monsoon?
Winter Solstice, which made December 21 the shortest day of the year	 Do you think the date Dec 21 is fixed for winter solstice till 2100? When does the astronomical winter starts? What will happen if the axial tilt is increased to 90°?
Looking for lithium toehold, India finds a small deposit in Karnataka	 What are rare earth metals? Give examples. Why lithium has become an important element in recent times? Where is lithium triangle?

	 Name some potential sites of lithium deposition sites in India.
	• Name some latest energy storage technologies.
	■ From where does India imports its lithium.
	Is lithium an oxidizing agent or reducing agent?
Tripartite agreement signed for harnessing	What is solution mining?
	• What is the role of potassium in human body?
	Do you think feasibility studies should be deregulated?
Potash in Rajasthan	What is the role of Potash in fertilizers?
	Do you think that fertilizer subsidy goes against the principle of UN Convention to Combat Desertification?
Megatrends' to affect forests over the coming	How the following has affected or will affect forest?
	■ Erratic weather
	■ Changing demographics
decade	■ Rise of middle class
	Use of digital technologies
	■ Infrastructure development
Banana grit from Changalikodan Nendran Banana	 Suggest some measures to increase shelf life of food products.
	 Suggest some food preservation techniques.
To what extent does climate change affect food insecurity? Case Study of Lesotho	How each of the following affect food security in India?
	■ EXIM policy
	■ Green revolution
	■ Globalization



Zombie fires' discovered in Arctic as climate change introduces new fuel	 What is zombie fire? What is the geographical distribution of sequestered carbon?
Glistening 'blue tide' along Mumbai	What is bioluminescence?Name some species with bioluminescence.
Indonesia's Mount Sinabung erupted	 How does the aerosol affect Indian monsoon? How will you react to such a disaster in your district?
Earthquakes hit Mizoram for the fourth day	What threat does earthquakes poses to biodiversity of the region?
Kerala to start intercropping	Name some agricultural produce from Kerala.What are the benefits of inter-cropping?
New maps reveal details of the lost continent Of Zealandia	How does a continent form?
Chamoli glacier break	 What is Glacial Lake Outburst Flood? What disaster risk reduction measures will you put in place after Chamoli disaster? On whom will you fix the accountability of such disasters? If any.
Forest fire in Uttarakhand, Australia, California	Why forest fires have increased in recent years across the world and why are they increasingly more devastating?
Migration	• What will be the long-term impact of covid- induced reverse migration from cities to villages?
Urbanization	 Why the first monsoon rains lead to flooding even in our so-called 'smart cities'. What needs to be done. What is the basis of selection of a town/city towards smart city?

Horticulture/ agriculture start-ups

There have been number of start-ups in India in past few years in the area of hydroponics based green-leafy vegetable production? Why is everyone is moving to a particularly small section of agriculture? How sustainable is that?