

Gallant IAS Academy
Gurushishya 3.0 Prelims Telepathy
Geography –Current Affairs & static topics

1. Atmosphere - Structure and composition (Climatic variations)
2. Seasonal cycle - Solstices and Equinox (Frequently asked by UPSC)
3. Temperature, isotherms, temperature inversion (increase in atmospheric temperature)
4. Atmospheric pressure, pressure belts and isobars
5. Winds - Factors affecting and types - (Primary , Secondary and Tertiary)
6. Clouds (Nacreous clouds)
7. Cyclones - Tropical and Temperate (Increasing occurrence of cyclones in Indian ocean)
8. Climatic Classifications - Climatic regions (frequently asked by upsc)
9. Ocean bottom physical features (submarine volcanic activities)
10. Ocean water temperature (Rise in ocean temperature)
11. Ocean Currents (Study the mechanism, names and locations of various currents)
12. Ocean tides
13. El Nino, La Nina (Impact on Indian Climate)
14. Indian Ocean Dipole (Impact on Indian climate)
15. Coral reefs (Great barrier reef out of UNESCO danger list)
16. Theories - Continental drift theory, Plate tectonic theory, Seafloor spreading theory
17. Interior of earth
18. Earthquake - Seismic waves, measurement, shadow zone (EQ in morocco)
19. Volcanism - types of magma, types of volcanoes, volcanic landforms
20. Tsunami - Causes, mechanism and difference between normal waves and tsunami waves (Tsunami warnings)
21. Weathering
22. Erosional and depositional landforms - Fluvial, aeolian, sea waves, glacial and karst
23. India - size, location and frontiers (Political Map)
24. Himalayas - Himadri, himachal and shivaliks (Cloud bursts, Flash floods in himalayan states)
25. Plateaus and peninsular hills - Aravallis , Vindhya satpuras, central highlands , deccan plateau , Chotanagpur plateau etc.
26. Western Ghats and Eastern Ghats (Frequently asked by UPSC)
27. Coastal plains - divisions and lagoons
28. Islands of India - Inland islands, near shore islands and oceanic islands
29. Rivers of India - Himalayan and Peninsular rivers - Tributaries, waterfalls and hydro projects (Frequently asked by UPSC)
30. Soils in India
31. Natural Vegetation in India (Types of forests and their characteristics)

32. Climate - Monsoon mechanism
33. Agriculture - Cropping pattern, Major crops, irrigation , different agricultural techniques
34. Minerals - Metallic and Non-metallic minerals - distribution and production
35. Industries
36. Energy - Renewable and non-renewable

Current affairs

- 1) Severe tropical cyclones of 2023 - 2024
- 2) Heat waves across the world and India
- 3) Cloud bursts and Flash floods
- 4) Marine heat waves
- 5) Ocean water heating and cooling
- 6) Aurora
- 7) Nacreous clouds , Shelf clouds
- 8) E prime layer
- 9) Sub glacial over deepening
- 10) Glacial lake outburst flood
- 11) Atmospheric river
- 12) Omega block
- 14) Minerals in news : Tantalum, Graphite, Vanadium, Lithium, Rare earth Minerals
- 15) Straits, canals etc - Panama canal, Sulina canal , Bab el Mandeb, Kra isthumus
- 16) Seas, bays and gulfs - Red sea, Black sea, Ross sea, Caspian sea, Atlanta bay

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