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Complete Preparation Strategy to Cover Climatology for NTA UGC NET

By- Abhishek Kumar Jha

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- ✓ **Research Scholar (Geography).**
- ✓ **JRF Awardee.**
- ✓ **Cleared UGC CBSE NET-JRF (5 Times).**
- ✓ Cleared exam and given Interview for Assistant Professor of **Haryana Public Service Com – 2016.**
- ✓ Graduate from **Banaras Hindu University.**
- ✓ Masters in Geography from **Banaras Hindu Univers**
- ✓ Pursuing Masters in Rural Development from Indira Gandhi National Open University.
- ✓ Active **Quora user**.
- ✓ Love to teaching and sharing knowledge.
- ✓ Former Professional cricketer.
- ✓ Singing, Cricket, Travelling, Reading are my hobbies.

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JRF Qualified||Started NET-JRF series Geography|| Research Scholar(Ph.D)| HPSC-2016 Assi.Prof. Interview||Qualified NET~JRF(5 Times) BHUian

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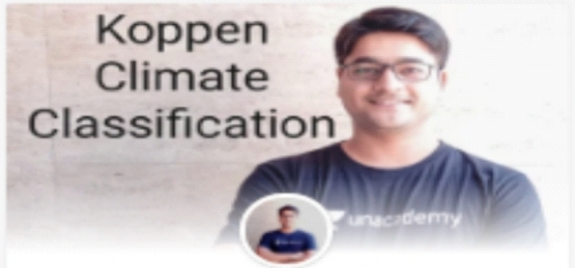

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(Hindi) 100 Most Expected Questions

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Syllabus : Climatology

- Composition and structure of the atmosphere.
- Insolation.
- Heat budget of the earth.
- Distribution of temperature.
- atmospheric pressure and general circulation of winds.
- Monsoons and jet streams.
- Stability and instability of the atmosphere.

- Air-masses.
- Fronts, temperate and tropical cyclones.
- Types and distribution of precipitation.
- Classification of world climates ; Koppen’s and Thornthwaite’s schemes.
- Hydrological Cycle.
- Global warming.

Study Material

1. Climatology – Savindra Singh
2. Climatology – D.S. Lal
3. Geography of India – Majid Husain
4. Geography of India – R.C. Tiwari
5. Advanced geography of India – S.C. Bansal
6. Bharat ka Bhugol – Pariksha Vaani
7. Optional Geography – Chronicle Publication

Study Material

1. PYQs
2. Notes
3. Revision
4. Practice sets

Important Topics

Composition and structure of the atmosphere

Origin and evolution of atmosphere

Composition of atmosphere

Structure of atmosphere

Insolation

Mechanism of solar radiation

Distribution of insolation

Factors affecting the distribution of insolation

Human influence on radiation balance

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Distribution of temperature

Transfer of heat energy

Heating and cooling of the atmosphere

Vertical distribution of temperature

Inversion of temperature

Horizontal distribution of temperature

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Atmospheric pressure and Motion

Variation in atmospheric pressure

Pressure belts

Shifting of pressure belts

Coriolis force

Wind directions and related laws

Geostrophic winds

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General circulation of winds

Hadley cell

Ferrel cell

Polar cell

El Nino

La Nina

Walker circulation and El Nino southern Oscillation (ENSO)

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Classification of world climates ; Koppen's and Thornthwaite's schemes.

Fronts, temperate and tropical cyclones.

Types and distribution of precipitation.