

PGEET-303

PAPER - XIII
Research Methodology



Max. Marks End Semester: 80

- Unit I : Definition and Scope of Research Methodology. Scientific Research: Procedure and Characteristics. Research Problem. Research Design.
Hypothesis – Types.
- Unit II : Methods of Data Collection- Observation, Questionnaire, Schedule and Interview.
Sampling Methods.
- Unit III : Correlation: Types , Product Moment, Rank Correlation and Carl Pearson's
Coefficient of Correlation. Linear Regression.
- Unit IV : Data- Processing and Analysis: Coding, Classification, Tabulation and Analysis.
Preparation of Research Report- Types and Steps.

RECOMMENDED READINGS -

1. Selltitz, C. M. Jahoda, M. Deutsch – Research method in social relation, holt, New York 1961.
2. Goode, W and P.K. Hatt – Method in social research Mc Graw Hill, Tokyo, 1962.

Chairperson/HOD: Dr. K. N. Prasad	Departmental & Other Members:
Subject Expert: Dr. T. L. Verma	1. Dr. A. K. Mishra
Subject Expert: Shri K. K. Dwivedi	2. Dr. S. Jenamani
Subject Expert: Dr. S. K. Das	3. Dr. Pratima Vishwakarma
	4. Shri Basant Bahekar
	5. Ku. Tameshwari Sahu

PGEET-304

PAPER - XIV

BIO-GEOGRAPHY AND ECO-SYSTEM



Max. Marks End Semester :80

Unit I : Definition and Scope of Bio-Geography. Habitat and Types. Plants-Animal Association. Biome and its Types - Equatorial Rain Forest, Desert, Terrestrial, Aquatic and Grassland (Tropical and Temperate).

Unit II : Elements of Plant Geography. Distribution of Forests and Communities. Plant Successions in Newly Formed Landforms. Zoo-Geography:

Unit III : Ecosystem: Components and Function, Tropic level, Ecological Pyramids, Ecological Niche, Energy and Nutrients in Ecosystem. Food Chain and Food Webs.

Unit IV : Man – Environment Relationship: Resource use and Ecological Imbalance with reference to soil, Forest and energy resource. Biodiversity and Its Conservation of the Ecosystems through Resource Management.

Environment Legislation: The stockhom Conference and the Earth Summit. Environment Laws in India (the wild life act. Water Act., Environment Protection Act and National Environment Tribunal Act.)

Suggested Readings -

1. Chandana, R.C. 1998 : Environment Awareness, Klyani Publication, New Delhi.
2. Simmons, I.D. 1981 : Ecology to Natural Resources, Edward Arnold, London.
3. लक्ष्मीचंद अग्रवाल : जैव भूगोल।
4. होता : जैव भूगोल एवं पारिस्थितिकी।
5. बी. पी. राव : पर्यावरण एवं पारिस्थितिकी।
6. डॉ. विजय तिवारी : पर्यावरण अध्ययन, हिमालय पब्लिकेशन, मुम्बई।
7. डॉ. विजय तिवारी : पर्यावरण एवं पारिस्थितिकी, हिमालय पब्लिकेशन, मुम्बई।
8. डॉ. विजय तिवारी : पर्यावरण प्रदूषण अध्ययन, हिमालय पब्लिकेशन, मुम्बई।
9. AGRAWAL, D.P. : Man and Environment in India, through ages. Books & Books, 1992.
10. Cox. C.D. and Moore, P.D. : Biogeography; an ecology and evolutionary approach 5th edn. Bacwell, 1993.

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