

**Course Name:**

**Course Code:**

L	T	P	Cr
3	1	0	4

### COURSE OBJECTIVES

The Main Objectives of this paper are

1. To understand the recent trends in Geographical research.
2. To understand applied research in the field of Geography.
3. To understand the significance of Geographical research.
4. To understand ethical research in Geography.

UNITS	CONTENTS	Contact Hrs.
I	Research: Nature, meaning and types; Methods of Data Collection: Primary data (Census and Sampling Methods-sampling size and sample frames), Secondary Data-an appraisal of some basic secondary sources of socio-economic and demographic data with particular reference to India; The Research Process: operational steps and research methodology (Formulating a research problem). conceptualizing a research design, constructing an instrument for data collection, selecting a sample, writing a research proposal, collecting data, processing data, writing a research report) Research in Social and Physical/Natural Sciences; Geography and Social Science Research.	8
II	A general introduction to Deterministic, Neo-Determinism, Possibilism, Positivism and Humanistic approach.	8
III	Fundamental concepts of geomorphology; River basin and problems of regional hydrology in context of India; Applied Climatology; Population & Environment	8
IV	Population geography; Approaches to the study of Agriculture Geography; Characterizations & Distributional Patterns of major natural resources of India; Regional Planning and Development in India; Basic concept & Different approaches to the study of urban geography; Regional Geography of Uttar Pradesh.	8
V	Statistical Analysis with SPSS: Correlation; regression and mapping of residuals, GIS in Geography, Brief Introduction to GIS software and hardware. Data Representation: Raster and Vector Data.	8

### REFERENCE BOOKS :

1.	Physical Geography- Savendra Singh	
2.	Models in Geography- Mazid Husain	
3.	Statistical Methods in Geographical Studies- Aslam Mahmood	