

Devi Ahilya Vishwavidyalaya, Indore

Ph.D. / M.Phil. Entrance Test

**Subject: Social Work, Sociology, History, Geography, Political
Science, Home Science, Psychology.**

Part-A

Research Methodology

- **Research Aptitude** – Reasoning Ability, Data Interpretation and aptitude.
- **Research Concepts**- Definitions, Types, Importance, Research Process and Research Design, Formulating of Research Problems.
- **Data Collection**- Primary and Secondary Data.
- **Sampling Techniques** – Sampling Vs Census, Probability and Non Probability methods, Sample size, Sampling Error.
- **Descriptive Statistics**- Measures of Central Tendency, Dispersion, and Correction & Regression analysis.
- **Data Analysis and Interpretation**-Hypothesis Testing, Sampling Distribution, Standard Error, Tests for Large and Small Samples, Parametric and Non-Parametric Tests.
- **Report Writing**: Report Writing, Research Proposal.

PART-B

Ph.D./M.Phil. Entrance Test -Syllabus

Geography

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Multi-focal perspectives in Geography

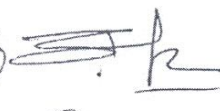
Unit 1 - Physical Geography- Lithosphere, Atmosphere & Hydrosphere

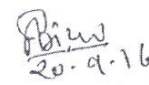
Unit 2- Recent trends & concepts in Urban Geography.

Unit 3- Population Geography: Main concepts and theories.

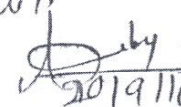
Unit 4- Recent trends & concepts of Agricultural Geography.

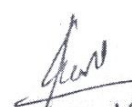
Unit 5- Concepts & issues of Environmental Geography and Environmental management.

Dr. S.S. Bhojwale 

Dr. Anjali Bilaye 
20.9.16

Dr. Sanjay Solani 
20/9/16

DR. Anshuma prasad 
20/9/16

Dr. Kamhaya Singh 
20/9/16

Ph.D. / M.Phil Entrance Test - Syllabus

GEOGRAPHY

Unit - I - Physical Geography - Lithosphere - Internal
Structure of the Earth, Isostasy,
Continental Drift Theory of
Wegener's, Plate Tectonics.

Climatology - Weather and Climate,

Composition & Structure of Atmosphere,
Insolation, Factors affecting Insolation,
Atmospheric Moisture - Humidity, Evap-
oration, Condensation, Circulation, Condensation,

Hydrosphere - Distribution of Land &
Water, Composition of Oceanic
water, Vertical & horizontal etc

Calculation of Temperature & Salinity

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Recent Trends & Concepts in Urban Geography:-

Nature of Urban Geography, Approaches and recent Trends, Urban System - Theory, Theories of Urban Growth, Urban Policies & Planning in reference to India, Urban ~~and planning~~ Contemporary issues in Urban Planning.

Population Geography - Main Concepts & Theories.

Services & Feasibility of Population data, Population Growth, Density, Distribution in reference to India, Population Dynamics.

Measurement of Fertility & Mortality, Concepts of over population, Under population & Optimum Population, Theories of Population, Malthus, Limits & Growth.

Recent Trends & Concepts of Agricultural Geography - Approaches of the study

of Agricultural Geography, Von-Thunen's Theory of Agricultural location & its recent modifications, ^{Concepts of} Agricultural Land Use, Productivity, Efficiency, Diversification & Specialization.

Concepts & issues of Environmental Geography & Environmental Management

Definition & meaning of Environment

Elements of Environment, Ecology & Ecosystem

Environmental Problems - Pollution & Management

Air, water & Land Soils, Recent Policies related to Environmental Pollution.