

A. P. S. University, Rewa
Syllabus for Ph.D. (Geography) Entrance test W.e.f. 2022-23

Part: A

M.M. : 50

Research Methodology

Introduction- Nature, types and procedure of research; quantitative and qualitative research, Research Design, Defining research problem and Hypothesis Formulation.

Sampling & Data Collection- Sample Size, Sampling Error; Primary and Secondary Data, Sources of Data, Questionnaire, Schedule, Interview, Case Study and Field Survey; Pilot Study.

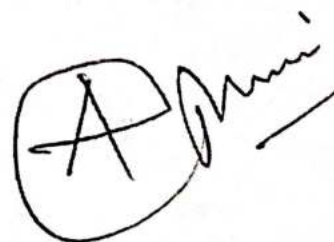
Data Processing: Data editing, classification, tabulation, charts and Graphs; Data Cleaning- Missing data, Outlier and Normality testing.

Data Analysis: Descriptive Analysis, Correlation and Regression; Hypothesis testing, Validity and Reliability testing, Parametric and Non parametric tests.

Computer Application, Report Writing and Publication Ethics : Basics of Computer Application, MS Office, Internet, Software Package for Social Science (SPSS), Cartography, Use of Remote Sensing, GPS and GIS. Steps in research report writing, essential of ideal research report; Research and Publication Ethics. Plagiarism, Citation and Referencing.

Suggested Readings:

1. Ahuja, R. (2001). Research Methods. Jaipur: Rawat Publications.
2. Bhattacharyya, D. K. (2005). Research Methodology. New Delhi: Excel Books.
3. Creswell, J.W. and Creswell, J.D. (2017). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. London: Sage Publications.
4. Flick, U. (2020). Introducing Research Methodology: Thinking Your Way through Your Research Project. 3rd Ed. London: Sage Publications.
5. Gomez, B. and Jones, J.P. (2010). Research Methods in Geography: A Critical Introduction. New York: John Wiley.
6. Henn, M., Mark, W. and Nick, F. (2006). A Short Introduction to Social Research. New Delhi: Vistaar Publications.
7. Kitchin, R. and Fuller, D. (2003). The Academic's Guide to Publishing. New Delhi: Vistaar Publications.
8. Kothari, C.R. (2012). Research Methodology, Methods and Techniques. New Delhi: New Age International Publishers.



9. Krishan, G. and Singh, N. (2017). Researching Geography: The Indian Context. Oxford: Routledge (South Asian Edition).
10. Locharoenrat, K. (2017). Research Methodologies for Beginners. Singapore: Pan Stanford Publishing.
11. Mikkelsen, B. (2005). Methods for Development Work and Research: A New Guide for Practitioners. London: Sage Publications.
12. Montello, D. and Sutton, P. (2013). An Introduction to Scientific Research Methods in Geography and Environmental Studies. London: Sage Publications.
13. Field Andy. Discovering Statistics Using SPSS. Sage. New Delhi , 2009.



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Part: B

M.M. : 50

Geomorphology -

Theories of Landform Evolution: a. Gilbert, b. W. M. Davis, c. W. Penck, d. J.J. Hack
Landforms associated with Fluvial, Glacial, Arid, Coastal and Krast cycles.
Application of Geomorphic Knowledge In: Hydrology, Mineral Exploration Petroleum exploration, Urbanisation and Civil Engineering.

Environmental Geography-

Biodiversity and its conservation.
Man induced environmental and ecological changes (Air pollution, Water pollution and contamination, Acidic rain and ozone depletion, Land degradation); Noise pollution.
Environmental management, Environmental impact assessment,

Urban Geography-

Urban systems: urban growth and theories. Urban hierarchy, Central Place theory of Christaller and Losch.
Urban morphology-city core, commercial, industrial and residential areas; modern urban landscape. Morphology of Indian urban settlements and its comparison with Western urban settlements.

Agricultural Geography-

Land use and land capability classification; concepts and measures of agricultural productivities, agricultural efficiency and crop combination, diversification and specialization.
Agricultural typology and regions; Kostrovickis scheme of agricultural typology critical review of whittlesey's classification agricultural regions, methods of agricultural regionalization.
Agriculture in India- Land use and changing cropping pattern. Regional pattern of Productivity in India.



Geography of Population

Population distribution and density: Growth of population theoretical issues, world pattern and their determinants.

Population Composition- Age and Sex Composition: Literacy and education, occupational structure, Urbanization, Population Regions of the World.

Population Dynamics: Measurement of Fertility and Mortality; World patterns of fertility and mortality. Demographic Transition International Migration.

Suggested Readings:

- 1- Geomorphology – Savindra Singh, Vashundhara Prakashan Gorakhpur
- 2- Fundamentals of Geomorphology- Richard John Huggett
- 3- सविन्द्र सिंह पर्यावरण भूगोल प्रयाग पुस्तक सदन इलाहाबाद।
- 4- अवस्थी एन.एम. एवं आर.पी. तिवारी पर्यावरण भूगोल म.प्र. हिन्दी ग्रंथ अकादमी भोपाल नेगी.पी. एस. पारिस्थितिकीय विकास एवं पर्यावरण भूगोल रस्तोगी एन्ड कम्पनी मेरठ 1995.
- 5- नेगी पी.एस. पारिस्थितिकीय विकास एवं पर्यावरण भूगोल रस्तागो एन्ड कम्पनी मेरठ।
- 6- नगरीय भूगोल बंसल।
- 7- नगरीय भूगोल आर.बी. मण्डल।
- 8- Mumford, L.: Culture of Cities. McMillan & Co. London, 1958.
- 9- Kundu, Amitabh: Urban Development and Urban Research in India Khanna Publications, 1992.
- 10- Noor Mohammad, ed. New Dimensions in Agricultural Geography.
- 11- Mazid H. : Agricultural Geography.
- 12- बी.एल. शर्मा कृषि भूगोल साहित्य प्रकाशन अकादमी
- 13- प्रमिल कुमार कृषि भूगोल म.प्र. हिन्दी ग्रंथ अकादमी।
- 14- Chandna R.C. : Geography of Population. Concept, Determinants and Patterns Kalyani.
- 15- चादना आर.सी.- जनसंख्या भूगोल कल्याणी पब्लिशर्स नई दिल्ली 2001
- 16- Barcley, G.W. Techniques of Population Analysis. John Wiley, New York, 1959.