

M.A./ M.Sc. (Two Years Degree Program)	
Third Semester	
Subject - Geography	
Code of the Course	GEG9007T
Title of the Course	Research Methods in Geography
Qualification Level of the Course	NHEQF Level 6.5
Credit of the course	4
Type of the course	Discipline Centric Core Course in Geography
Delivery type of the course	Lecture (40+20=60). The 40 Hours for content delivery and 20 hours of diagnostic assessment, formative assessment and subject/class activity, problem solving.
Prerequisites	Fundamental understanding of geographical concepts & phenomena.
Co- requisites	None
Objective of the Course	This is the basic course and sub discipline of Geography, which provides various aspects, concepts and approaches of the research methodology.
Learning outcomes	<ul style="list-style-type: none"> • It represents an overview of research methodology and reveals the basic concept of hypothesis. • It discusses about research designs and methodology for a research. And discusses about the sources and types of data and the methods of data collection. • It contains scales of measurement and scaling techniques used in research. • It deals with processing, analysis of data and significance of quantitative techniques. It also represents an overview of statistical techniques. • It focuses on interpretation and types of research reports.
Syllabus पाठ्यक्रम	

<p>UNIT-I</p>	<p>Research methodology: an overview, procedure of scientific research. Nature of geographical research and its importance. Selection and relevance of research theme, defining research problem. Research design: Meaning, characteristics, subject matter and classification.</p> <p>शोध प्राविधि: सिंहावलोकन, वैज्ञानिक अनुसंधान की प्रक्रिया। भौगोलिक अनुसंधान की प्रकृति एवं उसका महत्व शोध समस्या से सम्बंधित एवं प्रासंगिक शोध विषय का चयन शोध प्रारूप: अर्थ, विशेषताएं, विषय वास्तु तथा वर्गीकरण ।</p>
<p>UNIT-II</p>	<p>Hypothesis: Meaning, characteristics, source, types, importance, limitations. Sources and types of data. Methods of data collection: observation, questionnaire, schedule and interview. Sampling: need, bases, steps and types.</p> <p>प्राक्कल्पना: अर्थ, विशेषताएं, स्रोत, प्रकार, महत्व, सीमाएँ। आंकड़ों के स्रोत और प्रकार। आंकड़ा संग्रह की विधियां : अवलोकन, प्रश्नावली, अनुसूची और साक्षात्कार। निदर्शन : आवश्यकता, आधार, चरण तथा प्रकार।</p>
<p>UNIT-III</p>	<p>Scales of measurement: Definition and Types. Sources of error in measurement. Scaling: meaning of scaling. Scale of classification bases, important scaling techniques.</p> <p>मापन पैमाना : परिभाषा और प्रकार। मापन में त्रुटि के स्रोत ।</p>
<p>UNIT-IV</p>	<p>Processing (editing & coding), organisation, classification, tabulation and presentation of data. Significance of quantitative techniques, Overview of descriptive and inferential statistics.</p> <p>समंकों का प्रसंस्करण (संपादन और कूट संकेतन), व्यवस्थापन, वर्गीकरण, सारणीयन और प्रस्तुतीकरण । मात्रात्मक तकनीकों का महत्व, वर्णनात्मक और अनुमानात्मक सांख्यिकीय विधियों का सिंहावलोकन ।</p>
<p>UNIT-V</p>	<p>Research Report writing: Meaning, characteristics and format. Types of Research Reports. Writing of the dissertation/ thesis. Appendices, notes, references, citation and bibliography. Plagiarism.</p> <p>शोध प्रतिवेदन लेखन : अर्थ, विशेषताएं तथा प्रारूप । शोध प्रतिवेदन के प्रकार । परिशिष्ट, टिप्पणियाँ, संदर्भ, उद्धरण और ग्रंथ सूची। साहित्य चोरी ।</p>
	<p>Suggested Readings सहायकग्रन्थ / सामग्री</p>
<p>Text Books</p>	<ol style="list-style-type: none"> 1. Garg.B.L., Karadia, R., Agarwal,F. and Agarwal, U.K., An introduction to Research Methodology, RBSA Publishers, 2002. 2. Gupta S.P., Statistical Method (37th Edition), Sultan Chand and Sons. New Delhi. 2008. 3. Kothari, C.R., Research Methodology: Methods and Techniques.

	<p>Second Edition. New Age International Publishers, New Delhi, 2008.</p> <p>4. Leon & Leon, Internet for everyone, Vikas Publishing House, 2022.</p> <p>5. Sinha, S.C. and Dhiman, A.K., Research Methodology, Ess Ess Publications. 2nd volumes, 2002.</p> <p>6. Sharma, K. R.,2017. Research Methodology, National Publishing House, Jaipur.</p> <p>7. बंसल.एस.सी, शोध विधि तंत्र: भूगोल, मीनाक्षी प्रकाशन, मेरठ, 2017</p> <p>8. सी.आर.कोठारी, शोध पद्धति,न्यू एज इंटरनेशनल पब्लिकेशन, 2023</p> <p>9. बी. एल फड़िया, ,शोध पद्धतिया, साहित्य भवन पब्लिकेशन,2018</p> <p>10. वीरेंद्र प्रकाश शर्मा, रीसर्च मेथोडोलॉजी, पंचशील प्रकाशन,जयपुर, 2021</p>
Reference Books	<p>1. Pani, Prabhat Kumar, Research Methodology: Principles and Practices, S. K. Book Agency, New Delhi, 2015.</p> <p>2. Trochim, W.M.K., Research Methods: the concise knowledge base, Atomic Dog Publishing, 2005.</p>
Suggested E-resources	<p>1. https://openstax.org/books/introductory-statistics</p> <p>2. https://edutechwiki.unige.ch/en/Research_methodology_resources</p>