

Date:- 11.06.2023

C.C.S. University, Meerut

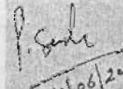
To
The Honourable Vice Chancellor
C.C.S. University, Meerut

Subject: Minutes: Board of Studies of Geography held online on 11.06.2023

Respected Madam,

Kindly find enclosed herewith the detailed minutes along with the annexure related to the items discussed and finalized in the meeting. Submitted for your kind consideration and final approval.

Regards

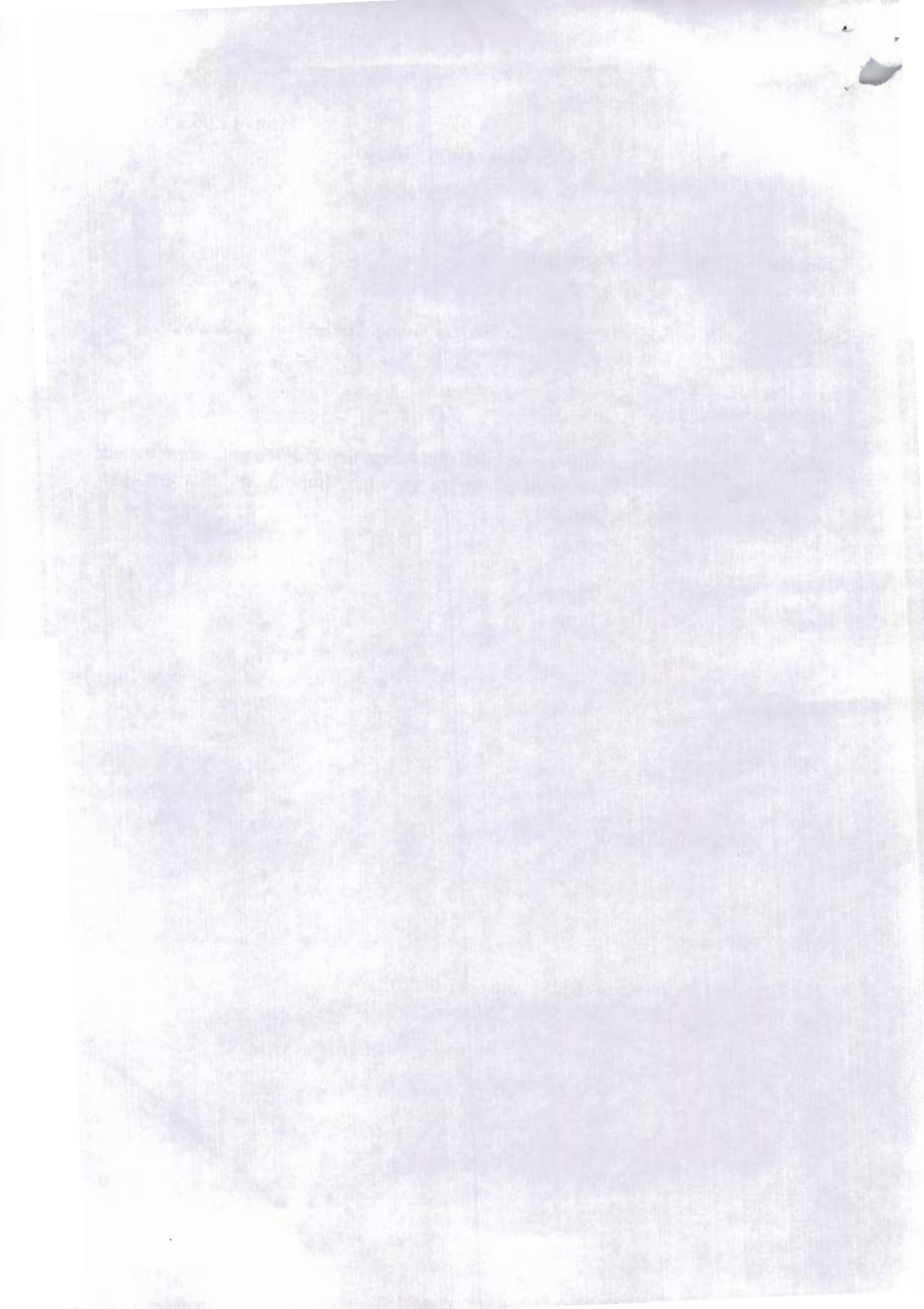

11/06/2023

Dr. Paramjit Singh
Convener,
B.O.S. Geography
C.C.S. University, Meerut

List of enclosures:

- 1, Minutes of the meeting (BOS) dated- 11/06/2023
- 2, Annex. 1, Pre PhD Course Work Syllabus (PP. 01- 07)

~~Dr. Paramjit Singh~~
Dr. Singh
12/6/23



C.C.S. University, Meerut

Meeting of Board of Studies of Geography: dated 11/06/2023

Subject: Minutes of the B.O.S. meeting of Geography

An online meeting of the board stated above was held on 11/06.2023 at 11.00 AM

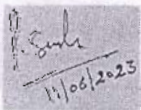
Following members were present in the meeting:

- Prof. N.C. Lohani, Dean Faculty of Arts
- Dr. Paramjit Singh, Convener
- Prof. Sudhir Kumar Bansal, External Subject Expert
- Dr. Deepshikha Sharma, Ex. Principal, Special Invitee (Coordinator Geog)
- Dr. Virendra Singh, Principal of the College
- Dr. Ghazanfer Ullah, Member

Item No. 1- Syllabus of Pre PhD course work of Geography subject were discussed and finalized in the meeting. The Board approved syllabus of 4 papers of pre PhD course work in this meeting. (Annex.1)

The meeting ended with the vote of thanks to the chair.

Regards

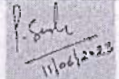
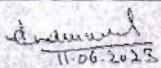
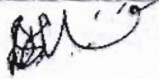
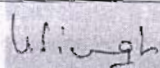
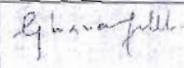

11/06/2023

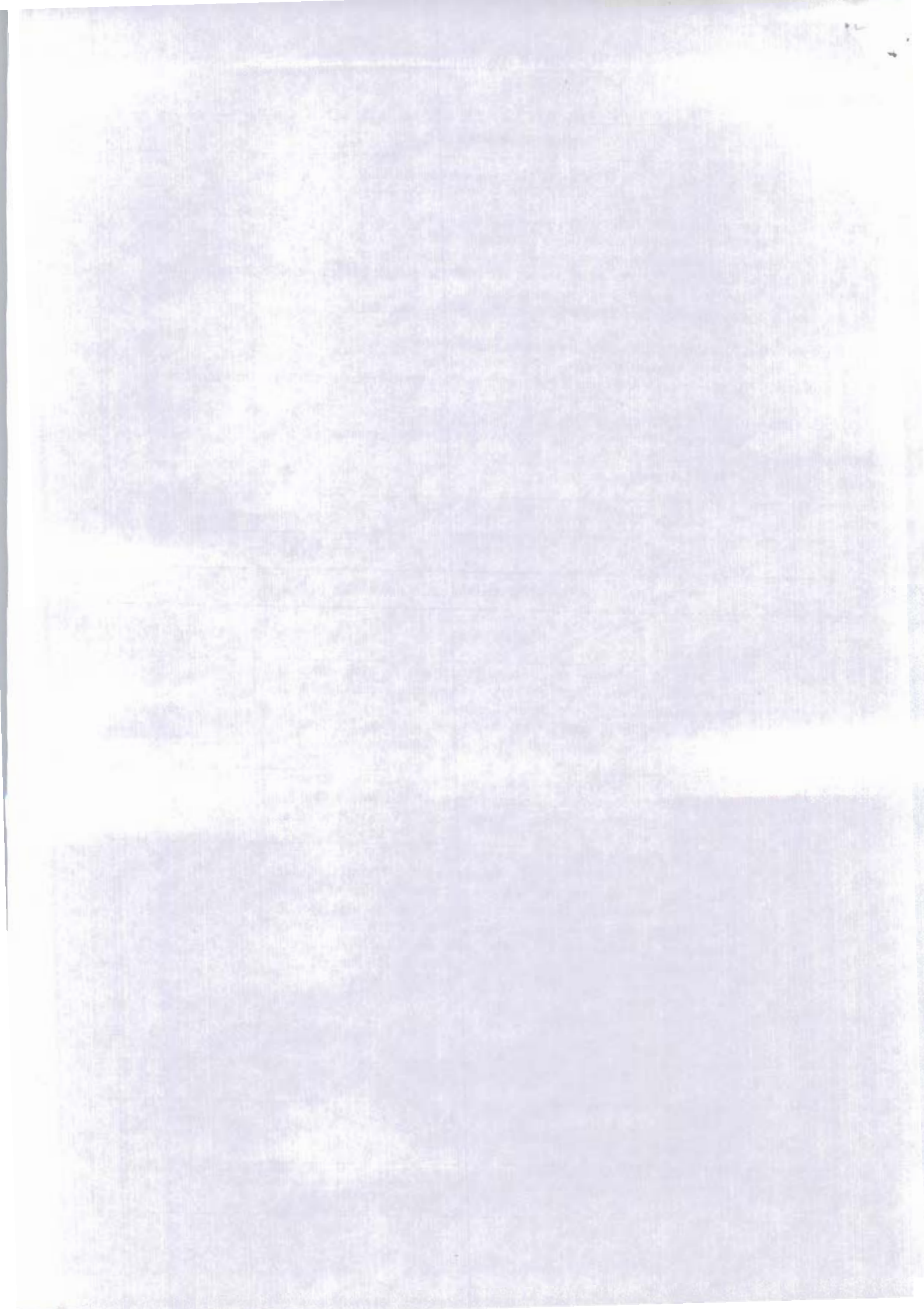
Dr. Paramjit Singh
Convener
B.O.S. Geography
C.C.S. University, Meerut



Research Methodology

Subject: Common for all faculties		
Course Code: GEO-01	Course Title: Research Methodology	Theory
<p>Course Objectives: The main objective of this paper is to</p> <ol style="list-style-type: none"> 1. Identify and discuss the role and importance of research. 2. Identify and discuss the issues and concepts salient to the research process. 3. Identify and discuss the complex issues inherent in selecting a research problem, selecting an appropriate research design, and implementing a research project. 4. Identify and discuss the concepts and procedures of sampling, data collection, analysis and reporting. <p>Course Outcomes: At the end of this course, the students should be able to:</p> <p>CO1. Understand some basic concepts of research and its methodologies.</p> <p>CO2. Explain key research concepts and issues read, comprehend, and explain research articles in their academic discipline.</p> <p>CO3. Select and define appropriate research problem and parameters.</p> <p>CO4. Organize and conduct research (advanced project) in a more appropriate manner.</p> <p>CO5. Write a research report and thesis.</p> <p>CO6. Write a research proposal (grants).</p>		
Credits: 4	Core Compulsory	
Max. Marks: 100	Min. Pass Marks:55	
Total No. of Lectures-Tutorial (in hours per week): L-T: 4-1		
Unit	Topics	No. of Lectures 60
I	Perception & Definition of Research, Objectives & Motivations of Research, Importance of Research, Types of Research, Research Methods versus Methodology, Process of Research; Review of Literature, Formulation of the Research Problem, Sources and Identification of a Research Problem, Status of the Research Problem, Formulation of Hypothesis, Research Design,	12
II	Outlines of Synopsis;Project Proposal, Project Report Writing; Research Paper Writing; Components of Research Reports;Thesis Writing;Outlines of Thesis, Reference citing, Formats of Writing References, Bibliography; Plagiarism.	12
III	Intellectual Property (IP), Intellectual Property Rights (IPR), Intellectual Property Law, Different fields of Intellectual Property Rights, Patents,Publication Ethics: Definitions importance Conflicts of Interest, Publication Misconduct Definition, Concept, Problems that lead to Unethical Behavior and vice versa, Types Identification of publication misconduct, Complaints and Appeals; Violation of publication ethics, Authorship and Contributorship; Predatory Publishers and Journals.	12

	 11/06/2023	 11-06-2023			
Prof. N.C. Lohani, Dean Faculty of Arts	Dr. Paramjit Singh, Convener	Prof. S. K. Bansal, External Subject Expert	Dr. Deepshikha Sharma, Ex.Principal/Coordinator Dept. of Geography,C.C.S.U. Meerut. (Special Invitee)	Dr. Virendra Singh, Principal of the College	Dr. Ghazanfer Ullah, Member

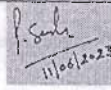
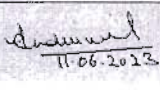

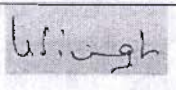



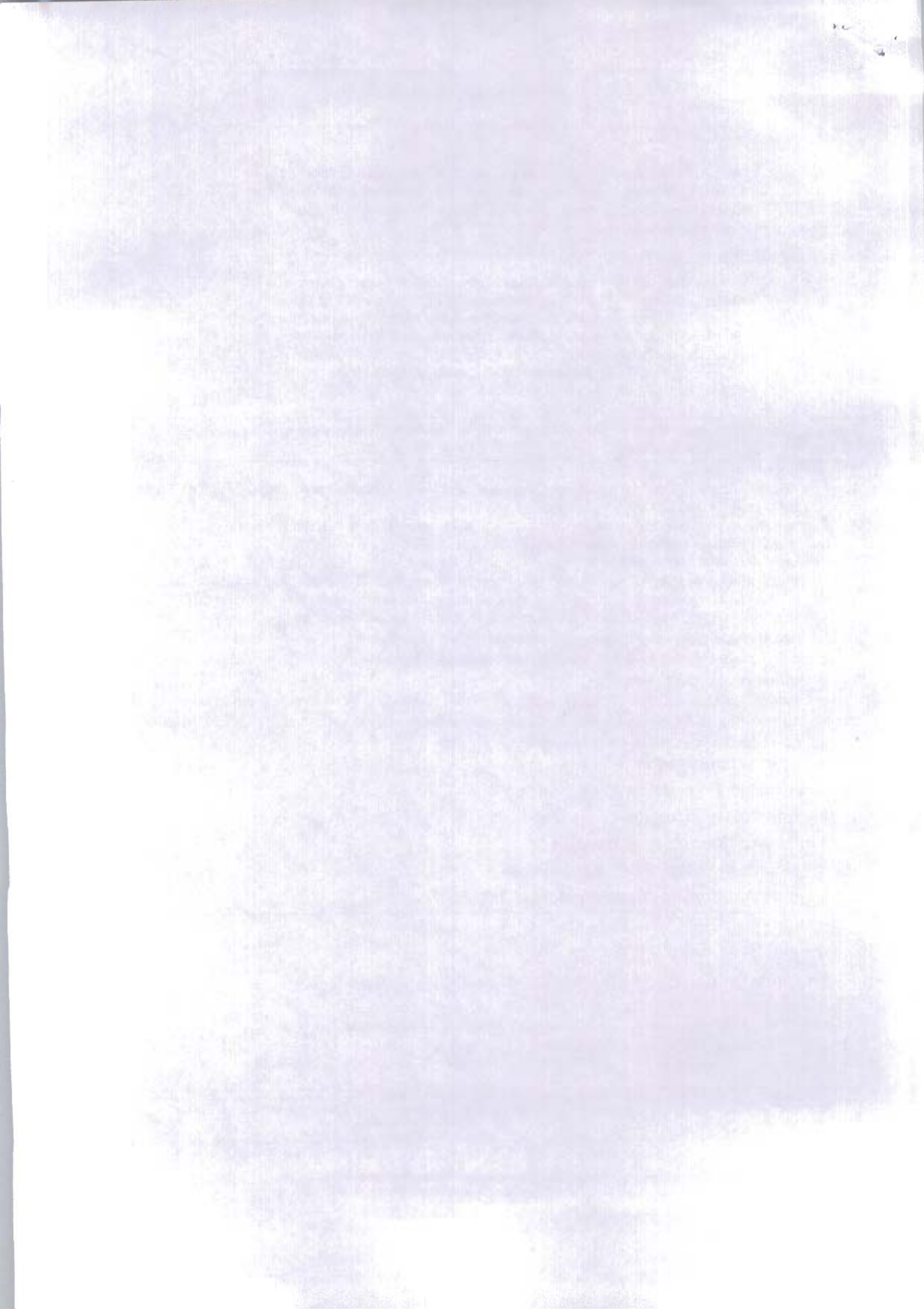
IV	Web Browsers, Search Engines, MS Word: Handling Graphs, Tables and Charts, Formatting in MS-Word, MS Power Point: Creating Slide Show, Screen Layout and Views. Applying Design Template, MS Excel: Features, Formulas and Functions.	12
V	Subject Classification Index, Citation, Citation Index, Impact Factor, h-index, i-10index, INFLIBNET, Introduction to Peer Reviewed and Open Access Journals, e-Journals, e-Library, Research Databases, Institute for Scientific Information (ISI) & Journal Citation Reports, Science Citation Index (SCI), Social Sciences Citation Index (SSCI), Arts and Humanities Citation Index (AHCI), Databases: UGC care list, Web of Science (WoS), Scopus.	12

Teaching Learning Process: Class discussions/ demonstrations, Power Point presentations, Class activities/ assignments, Field visits., Internship, etc.

Suggested Readings:

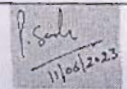
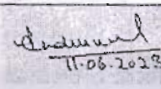
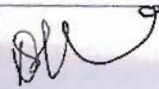
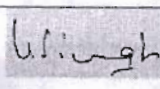
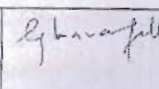
1. Creswell. W.: Research Design, Qualitative, Quantitative and Mixed Methods Approaches (3rd Edition), SAGE, Inc., 2018.
2. Gupta. S: Research Methodology: Methods and Statistical Techniques, Deep & Deep Publications, 2010.
3. Gupta. S.P.: Statistical Methods, Sultan Chand & Sons, 2014.
4. Kumar. R: Research Methodology: A Step-by-Step Guide for Beginners (3rd Edition), SAGE, Inc., 2011.
5. Melville. S. and Goddard. W.: Research Methodology: An Introduction (2nd edition), Juta Academic, 2004.
6. Shortis, T.: The Language of ICT: Information and Communication Technology, Taylor & Francis, 2016.
7. Research Methodology: Methods and Techniques by C.R. Kothari, Second revised edition
8. Research Methodology: A step by step guide for beginners by Ranjit Kumar
9. Research methodology: Methods and Statistical techniques, by Santosh Gupta
10. Statistical Methods, by S.P. Gupta
11. Research Design, Qualitative, Quantitative and mixed method approaches, by W. Creswell, 3rd edition.
12. Information Communication Technology, by Tim Shorts Handbook of Communication and Social Interaction Skills, by John O. Green, Brant Raney Burlison
13. शोधप्रविधि - डॉ. विनयमोहनशर्मा
14. अनुसंधानप्रविधि, सिद्धांत और प्रक्रिया - एस.एन. गणेशन
15. अनुसंधानप्रविधि - डॉ. एस.एन. राय
16. अनुसंधानकी प्रविधि एवं प्रक्रिया - डॉ. राजेन्द्र मिश्र
17. साहित्य अनुशीलन: विभिन्न दृष्टियाँ - डॉ. दयाशंकर शुक्ल
18. अनुसंधानप्रविधि और प्रक्रिया - डॉ. मुखरराटे/डॉ. शिवाजी देवरे

	 11/06/2023	 11/06/2023			
Prof. N.C. Lohani, Dean Faculty of Arts	Dr. Paramjit Singh, Convener	Prof. S. K. Bansal, External Subject Expert	Dr. Deepshikha Sharma, Ex. Principal/Coordinator Dept. of Geography, C.C.S.U. Meerut. (Special Invitee)	Dr. Virendra Singh, Principal of the College	Dr. Ghazanfer Ullah, Member



Pre-Ph.D. Course

Subject: Geography		
Course Code: GEO-01	Course Title: Recent Trends in Geographic Research	Theory paper
<p>Course Objectives: The main objectives of this paper is</p> <ol style="list-style-type: none"> 1 To understand the recent trends in geographical research. 2 To understand the applied research in the field of geography. 3 To understand the Significance of geographical research. 4 To understand ethical research in geography <p>Course Outcomes: At the end of this course, the students should be able to:</p> <p>CO1. Provide an idea for selecting the all themes in geography subject.</p> <p>CO2. Have knowledge about the physical geography.</p> <p>CO3. Have knowledge about the Human Geography.</p> <p>CO4. Have knowledge about the Economic Geography.</p> <p>CO5. Have knowledge about the Development studies.</p> <p>CO6. Have knowledge about the Resource Management and planning.</p>		
Credits: 4	Core Compulsory / Elective	
Max. Marks: 100	Min. PassMarks:55	
Total No. of Lectures-Tutorial (in hours per week): L-T-P: 4-0-0		
Unit	Topics	No. of Lectures (Total sum = 60)
I	Research methods in Physical Geography: Morphometric analysis: Slope analysis, drainage density, Weather and climate studies: Variability of rainfall, water balance, climate changes, Environmental issues: Land capability, Soil fertility, degradation, pollution, extinction, Hazard and risk zonation: satellite data, images interpretation and analysis.	12
II	Research methods in Human Geography: Historical Studies: Reconstruction of documentary and archaeological evidence, Population Studies: Population Change, composition, migration, quality of life, Urban Studies: Urbanization, housing rank size rule, functional analysis, Studies on social geography: caste groups, tribal situation, language, religion.	12
III	Research methods in Economic Geography: Agricultural research methods: Cropping intensity, crop combination, productivity, food security ; Methods of industrial research: Location quotient, network analysis, retail gravitation and industrial pollution; Methods of marketing research: Deficit and surplus products and marketing of services. Services and amenities: Provision, service gaps intensity.	12
IV	Research methods in Developmental Studies: Rural development component analysis, Urban Development: slum area development, Backward area development: Drought, Flood and disaster affected areas, Problems in area development: Border area, specific problems of soil, migration	12

				
Prof. N.C. Lohani	Dr. Paramjit Singh	Prof. S K Bansal	Dr. Deepshikha Sharma	Dr. Virendra Singh

Dr. Ghazanfer Ullah

Dean Faculty of Arts	Convener	External Subject Expert	Ex. Principal/Coordinator Dept. of Geography, C.C.S.U. Meerut. (Special Invitee)	Principal of the College	Member
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V	Research methods in Resource Management and Planning: Coal resource management and its area planning: issues, feasibility and viability, Micro level planning: Issues, feasibility and viability, District level planning: issues, feasibility and viability, Regional resources management and planning: Issues, feasibility and viability, National planning: Issues, feasibility and viability.	12
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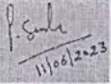
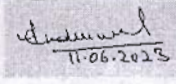
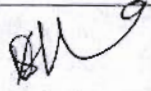
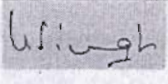
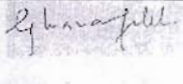
Teaching Learning Process: Class room discussions/ demonstrations, Power point presentations, Class activities/ assignments, Field visits, Internship etc.

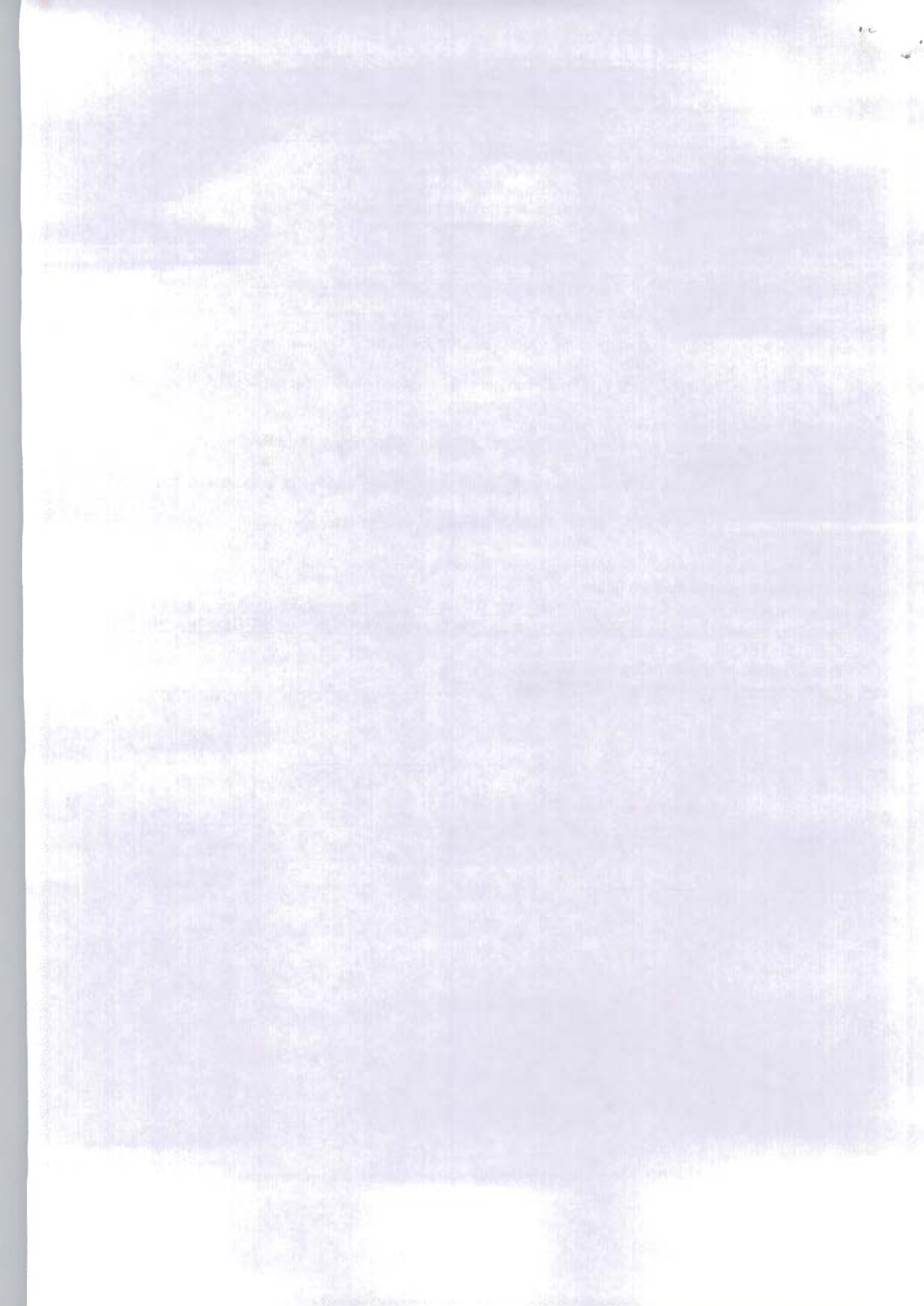
Suggested Readings:

1. Ahmad, Aijazuddin 2009, Geography of the South Asian Subcontinent: A Critical Approach, Concept Publishing Company, New Delhi.
2. Hubbard, Bryn and Neil F. Glasser Field techniques in glaciology and glacial geomorphology, Wiley, 2005.
3. Hugget, Richard, J.: Fundamentals of Geomorphology, Routledge (UK), 2003.
4. Hartshorne, Truman A. and Alexander, John W. 2012, Economic Geography (Third Edition), PHI Learning Private Limited, New Delhi.
5. Jain, Sharad K., Pushpendra K. Agarwal and Vijay P. Singh: Hydrology and Water Resources of India, Springer, 2005.
6. Raza, Moonis (Ed.) 1988, Regional Development, Contribution to Indian Geography (10), Heritage Publishers, New Delhi.
7. Vidyanathan, A. Water Resources of India, Oxford University Press, New Delhi, 2013.

Suggestive digital platforms web links:

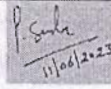
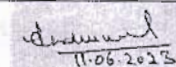
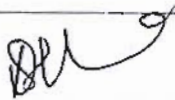
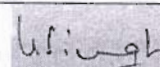
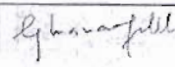
1. <https://www.researchgate.net/publication/344149231> Recent Trends in Geography By Amit Daiman.
2. <https://www.researchgate.net/publication/319248724> CONTEMPORARY TRENDS IN GEOGRAPHICAL EDUCATION.
3. https://reemooes.in/Brochures/geo_june_2022.pdf
4. https://reemooes.in/Brochures/geo_june_2022.pdf

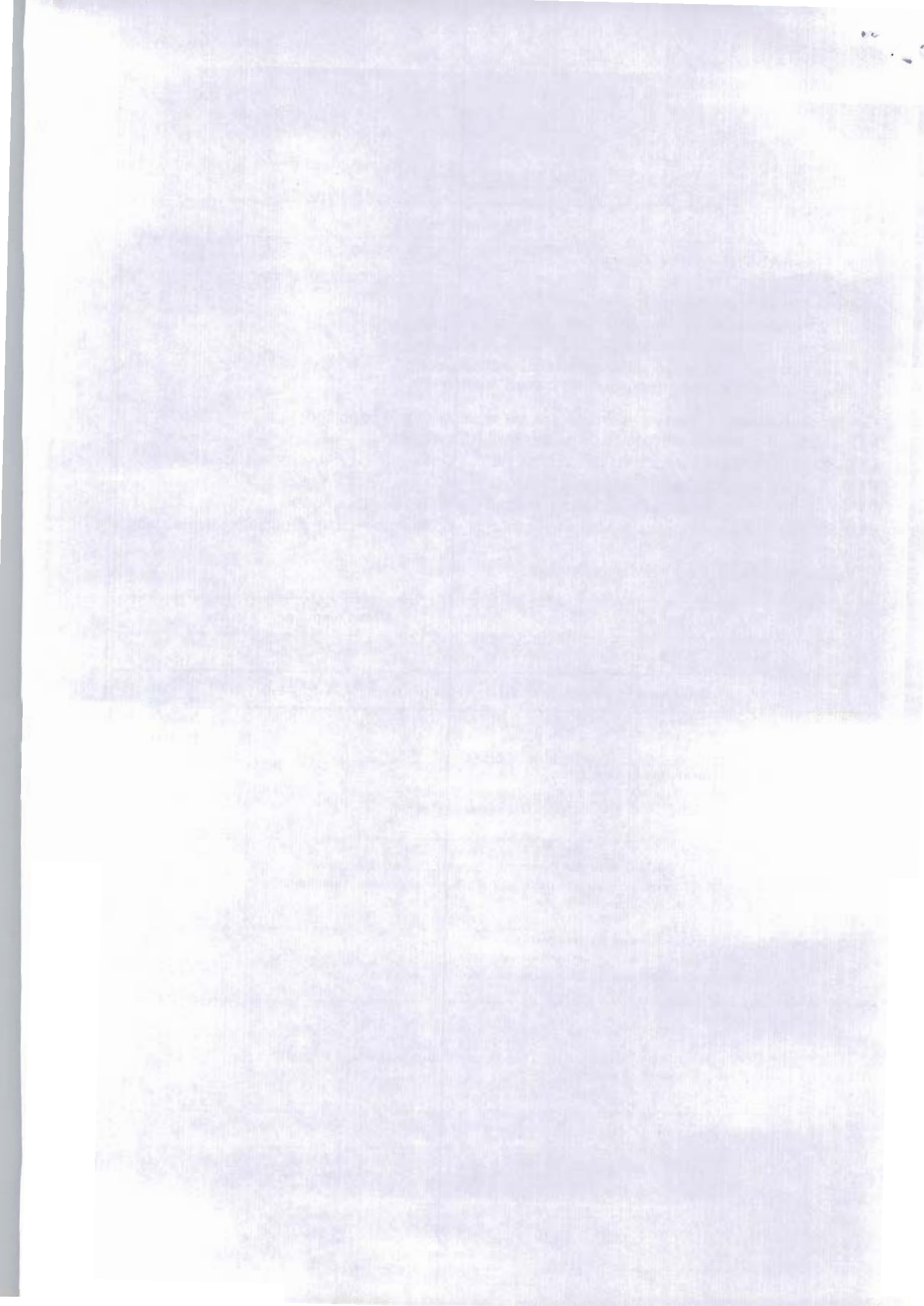
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Pre-Ph.D. Course

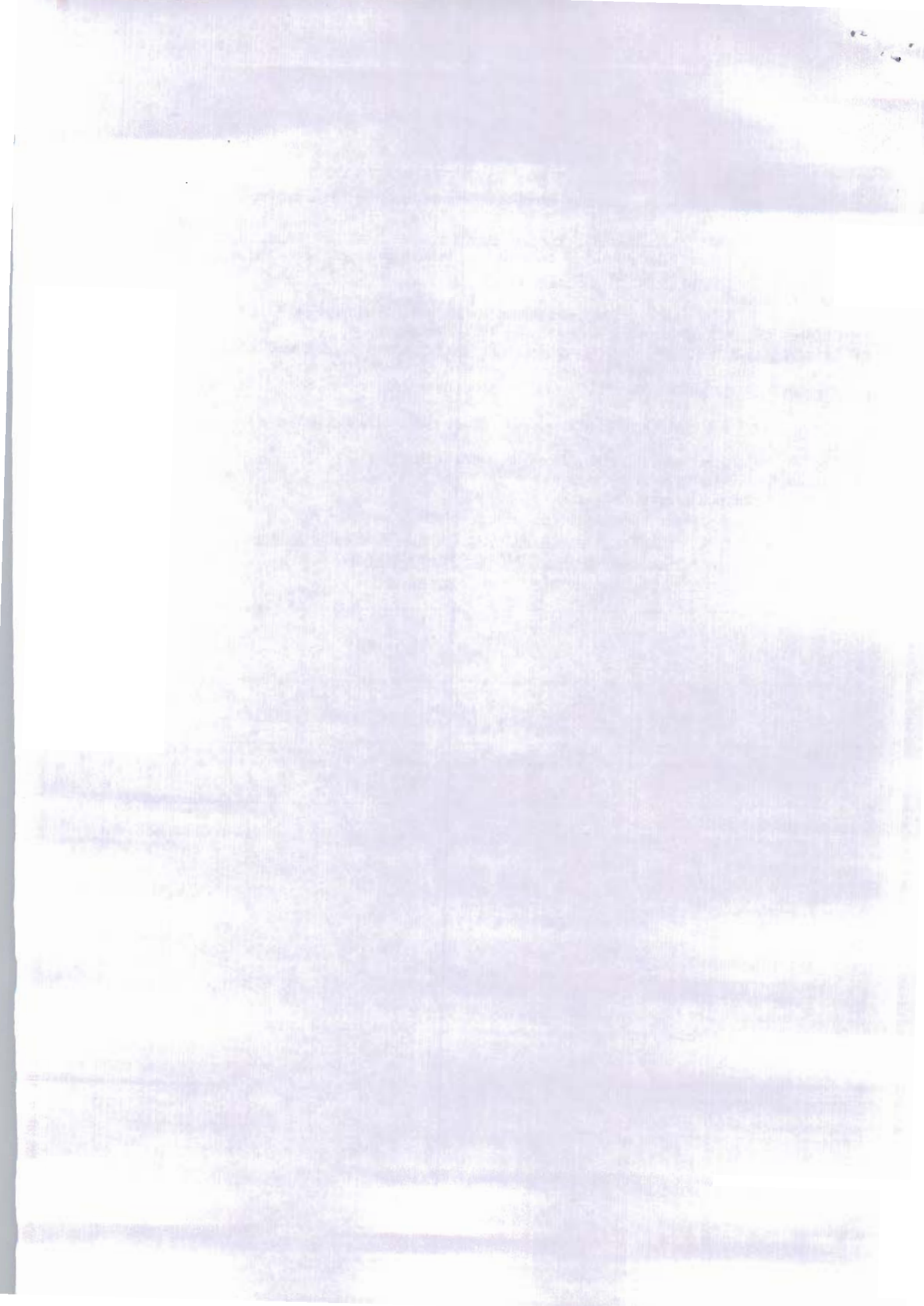
Subject: Geography		
Course Code: GEO-01	Course Title: Computer Applications in Geography	Theory paper
<p>Course Objectives: The main objectives of this paper is</p> <ol style="list-style-type: none"> 1 To maximize the efficiency of decision-making and planning. 2 To provide efficient means for data distribution and handling. 3 Elimination of redundant database-minimize duplication. 4 Capacity to integrate information from many sources. <p>Course Outcomes: At the end of this course, the students should be able to:</p> <p>CO1. Carry out independent research or professional RS assignments.</p> <p>CO2. Explain and communicate the concepts of various kinds of maps and geospatial data.</p> <p>CO3. Develop, edit, and update geospatial data.</p> <p>CO4. Manipulate and process RS data using manual and automated techniques.</p> <p>CO5. Explain and communicate fundamental concepts of cartography, map generalization, and map design.</p> <p>CO6. Create and edit graphical display of data.</p>		
Credits: 4	Core Compulsory / Elective	
Max. Marks: 100	Min. PassMarks:55	
Total No. of Lectures-Tutorial (in hours per week): L-T-P: 4-0-0		
Unit	Topics	No. of Lectures (Total sum = 60)
I	Basic information of Computer: Hardware and software, computer-assisted cartography, preparation of Graphs and Diagrams, line Graph, Bar Diagram and Scattered Diagram.	12
II	Use of SPSS : Statistical Analysis with SPSS: Correlation; regression and mapping of residuals, Principal Component Analysis (PCA) and Factor Analysis—calculation and mapping of factor scores.	12
III	Use of Remote Sensing techniques: Remote Sensing and its role in Research, Image Processing Software, Image Enhancement, transforming techniques, downloading open source data.	12
IV	Basics of GIS: Brief Introduction of GIS software. Data Representation: Raster and Vector Data. Editing and uploading of data.	12

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Prof. N. C. Lokam, Dean Faculty of Arts	Dr. Paramjit Singh, Convener	Prof. S. K. Bansal, External Subject Expert	Dr. Deepshikha Sharma, Ex. Principal/Coordinator Dept. of Geography, C.C.S.U. Meerut. (Special Invitee)	Dr. Virendra Singh, Principal of the College	Dr. Ghazanfer Ullah, Member



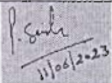
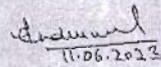
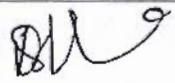
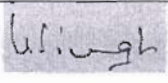
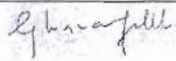
V	Digital map mapping: Map Digitization—Digitizing operations. Thematic mapping and overlaying; NDVI, DEM. Basics of map making using QGIS.	12
Teaching Learning Process: Class discussions/ demonstrations, Power point presentations, Class activities/ assignments, Field visits., Internship, etc.		
Suggested Readings: 8. Asrar G., ed. 1989, <i>Theory and Applications of Optical Remote Sensing</i> , John Wiley and Sons, Toronto. 9. Campbell, J.B., 1987. <i>Introduction to Remote Sensing</i> , The Guilford Press. 10. Gonzalez, R.C., P. Wintz, 1987. <i>Digital Image Processing</i> . 2nd Ed., Addison-Wesley, Reading:MA. 11. Jensen, J.R., 1986, <i>Digital Image Processing, an Introductory Perspective</i> . Prentice-Hall: Englewood Cliffs, N.J. 12. Lillesand, T.M. and Kiefer, R.W., 1987, <i>Remote Sensing and Image Interpretation</i> , Sec. Ed., John Wiley and Sons, Inc.: Toronto. 13. Staenz, K., 1992. A decade of imaging spectrometry in Canada. <i>Canadian Journal of Remote Sensing</i> . 18(4):187-197. 14. Pratt, W., 1991. <i>Digital Image Processing</i> . John Wiley and Sons, Inc.: Toronto. 15. Richards, J.A., 1986, <i>Digital Image Processing</i> , Springer-Verlag: New York.		
Suggestive digital platforms web links: 5. https://www.cambridge.org/core/books/physical-principles-of-remote-sensing/ 6. http://www.environmental-services.com/projects/Basel/Data/SOK/RSWGRefsX.html 7. https://kanchiuniv.ac.in/coursematerials/REMOTE SENSING GIS.pdf 8. https://nature.berkeley.edu/~penggong/textbook/reference.htm		

	<i>P. Singh</i> 11/06/2023	<i>S. K. Bansal</i> 11/06/2023	<i>Deepshikha Sharma</i>	<i>V. Singh</i>	<i>Ghazanfer Ullah</i>
Prof. N.C. Lohani, Dean Faculty of Arts	Dr. Paramjit Singh, Convener	Prof. S. K. Bansal, External Subject Expert	Dr. Deepshikha Sharma, Ex. Principal/Coordinator Dept. of Geography, C.C.S.U. Meerut. (Special Invitee)	Dr. Virendra Singh, Principal of the College	Dr. Ghazanfer Ullah, Member



Pre-Ph.D. Course

Subject: Geography		
Course Code: GEO-01	Course Title: Review of Literature	Theory paper
<p>Course Objectives: The main objective of this paper is to identify and discuss the</p> <ol style="list-style-type: none"> 1. Importance of writing review 2. Need of critical thinking 3. Prospects of reliable research 4. Impact of riveting reflection 5. Purpose of impressive influence <p>Course Outcomes: At the end of this course, the students should be able to:</p> <p>CO1. Understand the methodology of writing review. CO2. Derive the shortcoming and gaps in the literature. CO3. Deliver a good research through literature review. CO4. Modify the work with the help of constructive feedback.</p>		
Credits: 4	Core Compulsory / Elective	
Max. Marks: 100	Min. PassMarks:55	
<p>Student will review the literature assigned to him/her at the time of pre Ph.D. course duration under the supervision of course coordinator/ research guide . Students will submit the report written in 40 to50 pages covering the following points.</p> <ol style="list-style-type: none"> 1. What is the research undertaken for review? 2. What are the outcomes of the said research? 3. What are the shortcomings of the said research? 4. What are the suggestions to improve the said research? <p>The report will be evaluated by the Internal and External Examiner.</p>		

	 11/06/2023	 11.06.2023			
Prof. N.C. Lohani, Dean Faculty of Arts	Dr. Paramjit Singh, Convener	Prof. S. K. Bausal, External Subject Expert	Dr. Deepshikha Sharma, Ex. Principal/Coordinator Dept. of Geography, C.C.S.U. Meerut. (Special Invitee)	Dr. Virendra Singh, Principal of the College	Dr. Ghazanfer Ullah, Member

