

M.PHIL. SYLLABUS

1st SEMESTER

Sl.No.	Course no.	Title	Marks
Theory			
1.	Paper -I	Research Methodology	100
2.	Paper -II	Trends and Developments of Research in Geography	100

2nd SEMESTER

Sl.No.	Course no.	Title	Marks
Theory			
1.	Paper -I	Mountain Geography with special reference to Arunachal Pradesh	100
2.	Paper -II	Application of Geographical Research in Development of Society	100

3rd SEMESTER

Sl.No.	Course no.	Title	Marks
1.		Dissertation	150
2.		Viva-voce	50

Total Marks : 600

1st SEMESTER

PAPER -I: RESEARCH METHODOLOGY

End Term Exam	:Marks: 75	Time: 3 hrs
Seminar Presentation	:Marks: 25	
Total marks	:100	

Unit - I: Fundamentals of Research

Nature and significance of research, Identification and formulation of research problem, Hypothesis, Research questions, Research design, Review of Literature.

Unit – II: Research Types and Preparation of Synopsis

Historical Research, Descriptive Research, Survey Research including Case Studies. Scientific research; Preparation of a research synopsis.

Unit – III: Research Methodology: Data Collection and Generation

Sampling theory, types of sampling, Steps in sampling, Sample size, advantages and limitations of sampling.
Collection of Data: Primary Data and Secondary data, limitations and cautions.

Unit - IV: Data Processing and Analysis

Summarization of data, Regression and correlation, parametric test and non-parametric test.

Unit – V: Report writing: Documentation, Chapterisation and Referencing

SUGGESTED READINGS

1. Corey, Stephen M. : Action Research to improve School Practice, New York, Bureau of Publication, Columbia University.
2. Beard, R. Bligh D. Harding, A (1978) Research into Teaching Methods in Higher
3. Education, Guildford : Society for Research into higher Education.
4. Mackenzie, N. Eraut, M, Jones H. (1975) Teaching and Learning: An introduction to New Methods and Resource in Higher education, Paris : UNESCO and International Association of Universities.
5. Siegal, S. (1956) Non-Parametric Statistics for the Behavioral Science, New York: McGraw Hill.
6. Tuckman, B.W. (1978) Conducting Educational Research, New York: Harcount Brace Jovanovich, Inc.

PAPER –II: TRENDS AND DEVELOPMENTS IN GEOGRAPHY

End Term Exam	:Marks: 75	Time: 3 hrs
Seminar Presentation	:Marks: 25	
Total marks	:100	

Unit I: Emergence of Geography as scientific discipline: Impact of explorations and discoveries.

Unit II: Dichotomies: Systematic and Regional, Determinism and possibilism and Physical and Human Geography.

Unit III: Impact of Quantitative Revolution in Geography: Development of theories and models.

Unit IV: Introduction of Aerial Photographs, Satellite data and Global Positioning System.

Unit V: Integration and modeling of Geographical data in Geographic Information System (GIS) environment.

Reference:

1. Ali, S.M. (1966) : Geography of Puranas, People Publication, New Delhi.
2. Ali, S.M. : Arab Geography.
3. Adhikari, S. : Geographical Thought,
4. Bunge, W. (1966) : Theoretical Geography, Lund University, Series C.
5. Easth, W.G. & Wooldrige, S.W. (1953) : Spirit and Purposes of Geography, London.
6. Dubey, B. (1967) : Geographical Concept in Ancient India – NGSI, Varanasi.
7. Dickinson, R.G. (1969) : The Makers of Modern Geography, Routledge Kegan Paul, London.

8. Freeman, T.W. (1961) : A Hundred Years of Geography, Gerald Duckworth & Co., London.
9. Hartshorne, R. (1959) : Perspective on the Nature of Geography, John Murray, Chicago.
10. Hartshorne, R. (1939) : The Nature of Geography, Asso. Am. Geog. O. Lonchester.
11. Harvey, D.(1972) : Explanation in Geography.
12. Hussain, M. : Evolution of Geographical Thought, Rawat Publication, Jaipur.
13. James P.E. & Jones, C.F. : American Geography: Inventory and Prospect, Syracuse University Press.
14. Misra, R.P. (1983 (ed.) : Contributions to Indian Geography, Concepts and Approaches, Heritage Publication, New Delhi.
15. Presten, E. James : All Possible World.
16. Singh, R.L. (1977) : Role of Geography as an Integrating Science, Varanasi, NGS Bull.
17. Taylor, G. (ed.) (1953): Geography in the 20th Century, Methuen, London.
18. Tripathi, M.P. : Development of Geographic Knowledge in Ancient India, Bharatiya Vidya Prakashan, Varanasi.
19. Wooldrige, S.W. (1960) : Geographer as a Scientist, London.
20. Dikshit, R.D. : Art and Science of Geography, Prentice Hall.
21. Allan, T.d. (ed.) : Satellite Micro wave Remote Sensing, Micro Ellis Horwood, chichester.
22. American Society of : Mannual of Remote Sensing
23. American Society of Remote Sensing (1980): Mannual of Photogrammetry. Washington D.C.
24. Awry, T.E. & G.L. Berlin : Interpretation of Aerial Photographs (4th ed) Burgers, Minneapolis, Minn.
25. Colwell, R.N. : American Society of Photogrammetry, Manual of Remote Sensing, Vol. I & II, American Society of Photogrammetry, Falls Church, Virginia.
26. Curren, P.J. : Principles of Remote Sensing, Longman, London.

27. Maing, D.H. (1988): Measurements from Maps: The Principles and Methods of Cartometry. Pergamon Press, N. York.
28. Miller, V.C. : Photogeology, Mc Graw Hill, New York.
29. Lillisand et. al ; Remote sensing and Image Interpretation.
30. Lisle, R.J. (1999): Geological Structure and Maps: A Practical Guide. Pergamon Press, N. York.
31. Lueder, D.R. : Aerial Photographic Interpretation principles and applications, Mc Graw Hill Book, co. Inc. London.
32. Sabins, Floyd, F. Jr. Remote Sensing principles and Interpretation, W.N. Freema & co. San Fansisco, USA.
33. Ball, D. and Babbage, R. (1990): Geographic Information Systems: Defence Applications. Pergamon Press, N. York.
34. Burrough, P.A. and McDonnel, R.A. (1998): Principles of Geographical Information Systems. Oxford University Press, Oxford.
35. Frank, A.U. and Campari, I. (eds) (1993):Spatial Information Theory: A Theoretical Basis for GIS.

2nd SEMESTER

PAPER -I: MOUNTAIN GEOGRAPHY: WITH SPECIAL REFERENCE TO ARUNACHAL PRADESH

End Term Exam	:Marks: 75	Time: 3 hrs
Seminar Presentation	:Marks: 25	
Total marks	:100	

- Unit I: Mountain Systems of the World: Origin and distribution,
- Unit II: Environmental challenges: Terrain characteristics, climatic constraints, resource availability.
- Unit III: Human response: Perceptions, livelihood strategies and practices, sustainability of mountain environment.
- Unit IV: Arunachal Pradesh: Physiography, Drainage, Climate Soil, Vegetation.
- Unit V: The people of Arunachal Pradesh: Major tribes; their culture and economy; strategies of future development.

References:

1. Cooke, R.U. and J.C. Doornkamp (1974) : Geomorphology in Environmental Management, Oxford University Press.
2. Verstappen, H. Th. (1968) : Use of Aerial Photographs in Geomorphology. International Institute for Aerial Survey and Earth Sciences (ITC) 3, Kanaalweg, Delft, The Netherlands.
3. Chorley, R.J. (ed.) (1969) : Water Earth and Man, Methuen, London.
4. Russell, E.J.(1961) : The World of the Soil, Collins: fountaina Library.
5. Carson MA. And kirkby M.J., Hillslope form and Process, Cambridge University press,1972.

6. Arvil, R. (1967) : Man and Environment Crisis and Strategy of Choice, Penguin, Harmondsworth, 1967.
7. Bhargava, Gopal (1992): Environmental Challenges and Ecological Disaster, Mittal Publication, New Delhi.
8. Berril, N.J. (1967) : Inherity the Earth- The Story of Man and Changing Planet, Forwcett, Greenwich, Connecticut, 1967.
9. Botkin, D.B. (1982) : Environmental Studies, Charles, E. Meril and Keller, Edward, A. Publishing Co. Columus, Ohio.
9. Singh, K.S. : Tribal Situation in India.
10. Spencer, J.E. and Thomas, W.B. : Cultural Geography.
11. Furer – Haimendorf, C.V. (1989) : Tribes of India : Struggle for Survival, OUP, Delhi.
12. Furer – Haimendorf, C.V. (1990) : Life Among Indian Tribes : The Autobiography of an Anthropologist, Oxford, New York.
13. Mann, R.S. and Mann, K. (1989) : Tribal Cultures and Change, Mittal, New Delhi.
14. Das, H.P. (1972) : Geography of Assam

**PAPER –II: APPLICATION OF GEOGRAPHICAL RESEARCH IN
DEVELOPMENT OF SOCIETY (Five units of 25 marks each)**

End Term Exam	:Marks: 75	Time: 3 hrs
Seminar Presentation	:Marks: 25	
Total marks	:100	

Unit –I

Research in the discipline of geography with special emphasis on Systematic Geography: Importance of Research output in Physical Geography; Research Areas in Geomorphology, Hydrology, Drainage and Climatology.

Unit –II

Research Output in Economic Geography; Research output in Population and Settlement Geography.

Unit –III

Research in Regional geography with special emphasis on North East India: Importance of systematic study on Geography for different regions: special aspects of Geographical Research in selected states like Assam, Manipur and Arunachal Pradesh.

Unit –IV

State specific geographical Research in non-conventional topics: (a) Gender Geography (b) Medical Geography (c) Electoral Geography (d) Disaster management (etc).

Unit –V

Research output as resource base for the discipline in general: Research output as resource document for policy implications; study on the history of Geographical Research output in the context of societal development; Future of geographical research with special emphasis on the faculties of North East Indian University.

References:

- ✓ Introducing Qualitative Research by Rosaline Barbour, Sage.
- ✓ Doing Interviews by Steinar Dvale, Sage.
- ✓ Interdisciplinary Research by Allen F. Repko. Sage.
- ✓ Researching Social Life by Nigel Gilbert, Sage.
- ✓ Research Design by John W. Creswell, Sage.
- ✓ Handbook of Critical and Indigenous Methodologies by Normank Denzin, Yuonna Lincoln & L.T. Smith.
- ✓ Social Network Analysis by David Knoks & Song Yang.

3rd SEMESTER

DISSERTATION

The students will be given six months i.e. one semester to submit the dissertation. There will be viva-voce and seminar presentation.

The marks allotted will be as follows.

Dissertation :150

Viva-voce : 50

NB: The student will have to decide on a topic of dissertation in the first semester and will have finally submit at the end of third semester.