

PEDAGOGY OF GEOGRAPHY

FIRST YEAR / SEMESTER – I

OBJECTIVES

At the end of the course, the student-teachers will be able to

- understand the aims and objectives of teaching geography
- develop effective teaching skills.
- practice the different teaching – learning strategies.
- get familiarized with the recent trends in teaching Geography.
- acquire the knowledge of maps.

UNIT I – INTRODUCTION –AIMS AND OBJECTIVES OF TEACHING

GEOGRAPHY

(15 hours)

Definition of the term geography, various stages of development of Geography – Various divisions and departments of Geography – Scope of Geography - Impact of Geography – Importance of Geography and its place in curriculum, general aims of teaching geography, aims and objectives of teaching geography.

Activity: Discuss the importance of teaching geography and submit a report.

UNIT II – BLOOMS TAXONOMY AND MICRO TEACHING (15 hours)

Instructional Objectives – Bloom’s Taxonomy of Objectives in Specific Behavioral Terms – Cognitive, Affective and Psycho – Motor Domain-Micro - Teaching – Concepts, Principles and Phases of Micro – Teaching-Developing the Skills - Introducing a Lesson, Explaining, Probing Questions, Stimulus Variation-Reinforcement, Using the Black Board and Achieving Closure-Link Lesson – Need and its Importance.

Activity : Practice three micro lessons with three different skills

UNIT III - METHODS AND APPROACHES IN TEACHING GEOGRAPHY

(16 hours)

Teacher centered Method - Lecture– Team Teaching, Supervised Study – Review and Drill -Learner Centred Methods –Problem Solving Method, Reasoning - Inductive, Deductive - Project Method, Laboratory Method - Dalton Plan, Field Work-Observation method –Regional Method- Individual work on Regional lines – Scheme of Regional Method-Group Directed Instructional Inputs – Socialized Recitation – Debate, Symposium Brain Storming, Seminar, Workshop.

Activity : Organise a group discussion on a topic of your choice and produce a report.

UNIT IV - RECENT TRENDS IN TEACHING GEOGRAPHY (14 hours)

Programmed Learning – Computer Assisted Instruction – Web Based Learning- Identifying Learner’s Capacities – Enrichment Programmes for Gifted – Remedial Programmes for Slow Learners –National Talent Examination -Developing National Integration and International Understanding –Knowledge of current affairs Geographic attitudes and its importance to the individual and Society.

Activity : Make an album of current events.

UNIT V – MAPS

(15 hours)

Introduction in maps through pupils own sketch plan of his immediate surrounding –progression to the idea of plan of scale and relief .The transition from local map from globe to the flat map, picture map and aerial photograph.

Activity : Collect different kinds of maps.

REFERENCE

- ❖ Arora, M.L., Teaching of Geography, Prakash Brothers , Ludhiana, 1979.
- ❖ Chorley, P.J. Directions in Geography, Methuen & Co., London, 1973.
- ❖ Garrett , Henry E. and Woodworth, R.S. (1981). Statistics in Psychology and Education, Bombay : Vakils, Feffer and Simons Ltd.
- ❖ Passi, B.K. Becoming a Better Teacher, Micro Teaching Approach, Sahitya Mudranalaya, Ahmadabad, 1976.

- ❖ Peter Norton, Introduction to Computers, Tata McGraw Hill Pub.Co.Ltd.,New Delhi, 1998.
- ❖ Sampath , K.A.Pannerselvam, S.Santhanam , Introduction to Educational Technology, Sterling Publishers, 1996.
- ❖ Vedanayagam, E.G.Teaching Technology for College Teachers, Sterling Publishers, 1997.
- ❖ UNESCO Source Book for Geography Teaching, London, Longman's Green and Company, 1982.

PEDAGOGY OF GEOGRAPHY

FIRST YEAR / SEMESTER – II

OBJECTIVES

At the end of the course, the student-teachers will be able to

- Prepare lesson plan and unit plan
- get familiarized with the various learning resources for their professional effectiveness.
- imbibe the qualities of a good geography teacher.
- understand the Geographic problems and solving methods.
- understand the various methods of evaluating the classroom teaching.

UNIT I - OBJECTIVE BASED INSTRUCTION (16 hours)

Lesson Plan – Need, Principles – Steps-Concept Mapping- Year Plan, Unit Plan-Critical Analysis of State Board Syllabus for IX and X Standard.

Activity : Prepare an unit plan.

UNIT II – TEACHING LEARNING MATERIALS (15 hours)

Importance and need of teaching aids – Principles for use of teaching aids- types of teaching aids – importance of maps and Charts in teaching of Geography – place of stories in the teaching of Geography –Place of excursions and travels in the teaching of geography – local Geography and its importance in the teaching of Geography- Multimedia presentation –Internet , online Learning -Tele conferencing –Video Conferencing - Self learning packages.

Activity :Collect information about the geographical details of locality.

UNIT III – THE GEOGRAPHY TEACHING (15 hours)

Introduction- qualifications of a Geography teacher – place of teacher in teaching of Geography –characteristics of an ideal Geography teacher - Geography teachers diary- students note books – cooperation of pupils out of school hours – inspection Geography department.

Activity : Maintain a Geography teacher's dairy.

UNIT IV – GEOGRAPHIC PROBLEMS

(16 hours)

Geography problems facing India at present - population –pollution – Land - water - air and noise –Global warming –Acid rain –Ozone Depletion – Tsunami –Earthquakes –Volcanoes –Climate change . How Geography can help in solving them.

Activity : Presenting a seminar on current Issue relating to Geography(Natural calamities)

UNIT V - EVALUATION

(14 hours)

Concept of Examination –Formative and Summative Evaluation, Continuous and Comprehensive Assessment, Prognostic and Diagnostic Test – Achievement Test: Blue Print, Construction of Achievement Test.

Activity : Construction of an achievement test for a lesson / unit with its blue print.

REFERENCE

- ❖ Aggarwal, J.C.Teaching of Geography : A Practical Approach, New Delhi, Vikas Publishing House Pvt.Ltd .,1992.
- ❖ Buch, M.B. Studies in Teacher Behaviour, Center of Advanced Studies in Education.
- ❖ Blae J and et all (Edited) (1973),Perspectives in Geographical Teaching ,Edinburg,Oliver &Board.
- ❖ Chauham, S.S.Innovations in Teaching Learning Process, Vikas Publishing House Pvt .Ltd .,1979.
- ❖ Chorley ,R.J.and P.Hagett (ed)(1970).Frontiers in Geography Teaching ,London, Methu Co-Ltd.
- ❖ Flanders , A.N.Analysis Teacher Behaviour, Addison – Welsiley Publishing Co., USA, 1979.
- ❖ Hall,D.(1976).Geography and the Geography Teachers ,London, Geogre Allen & Unwin Ltd.
- ❖ Murthy, S.K, Educational Technology and Teacher Behaviour, Prakash Brothers, Ludhiana, 1984.
- ❖ NCERT, Teaching Geography in Secondary Schools, A Handbook for Geography Teacher, New Delhi, 1970.
- ❖ NCERT, Fifth Survey of Research in Education, New Delhi, 1997.
- ❖ Thralls,Z.A.The Teaching of Geography ,New Delhi, Eurasia Publishing House,Pvt ,Ltd.

PEDAGOGY OF GEOGRAPHY
SECOND YEAR/ SEMESTER – III

OBJECTIVES

At the end of the course, the student-teachers will be able to

- acquire knowledge of the nature, scope, subject matter and Branches of Geography.
- understand Statistical devices.
- realise and appreciate values of teaching Geography.
- choose and use appropriate teaching aids for a particular class.
- understand the principles of curriculum construction.

UNIT I – GEOGRAPHY :ITS MEANING ,NATURE SUBJECT MATTER

BRANCHES AND SCOPE

(14 hours)

Meaning of Geography –Definition ,Nature of Geography –Subject matter of Geography –Branches of Geography - Correlation of Geography with other school subjects.

Activity : Correlate teaching of geography with any other subject –(prepare a chart)

UNIT II – STATISTICS

(16 hours)

Interpretation of Scores – Frequency Distribution Tables Measures of Central Tendency – Mean, Median, Mode - Measures of Variability – Range, Quartile Deviation, Mean Deviation – Standard Deviation Correlation of Rank Order and Product Movement.

Graphs – Histogram, Frequency Polygon, Cumulative Frequency Polygon, Ogive Percentile Ranks.

Activity : Maintaining weather report –Interpretation of climate data

UNIT III - AIMS AND VALUES OF TEACHING GEOGRAPHY (15 hours)

- General Aims and Objectives of Teaching Geography.
- Specific Aims of Teaching Geography at Elementary, High and Higher Secondary Stage.
- Values of Teaching Geography.

Activity : A write up on the importance of knowledge of geography to a student

UNIT IV - RESOURCES AND EDUCATIONAL TECHNOLOGY (15 hours)

- Projected and Non Projected Aids.
- Utilization of Community Resources, Importance of Museum, Library, Encyclopedias, Reference Books, Mass Media- Geography text Book.
- Geography Class Room – Furniture, Equipment, Improvising Learning Environment.
- Geography Club and its Activities.
- Geography Teacher – Essential Qualities.

Activity : Prepare an album showing the activities to organize a geography club.

UNIT V – ORGANISATION OF GEOGRAPHY CURRICULUM (15 hours)

- Meaning of Syllabus and curriculum
- Content, Principles of Selection - Individual, Social, National and Global Needs.
- Structure of curriculum.
- Criteria for selection.
- Method of organisation - Logical – Psychological, concentric, Spiral Modular.
- Geography Syllabus sequence –Articulation.

Activity : Prepare a PowerPoint showing the various methods of organizing geography curriculum.

REFERENCE

- ❖ Arora, M.L., Teaching of Geography, Prakash Brothers, Ludhiana, 1979.
- ❖ Chorley, P.J. Directions in Geography, Methuen & Co., London, 1973.

- ❖ Garrett , Henry E.and Woodworth, R.S.(1981).Statistics in Psychology and Education, Bombay : Vakils, Febber and Simons Ltd.
- ❖ Gipsill, G.H.,Teaching of Geography, Macmillan, 1966.
- ❖ Passi, B.K.Becoming a Better Teacher, Micro Teaching Approach, Sahitya Mudranalaya, Ahamadabad, 1976.
- ❖ Peter Norton, Introduction to Computers, Tata McGraw Hill Pub.Co.Ltd.,New Delhi, 1998.
- ❖ Rai,B.C.,Method –Teaching of Geophy, Prakasan Kendra, Lucknow, 1984.
- ❖ Sampath , K.A.Pannerselvam, S.Santhanam , Introduction to Educational Technology, Sterling Publishers, 1996.
- ❖ Vedanayagam, E.G.Teaching Technology for College Teachers, Sterling Publishers, 1997.
- ❖ UNESCO Source Book for Geography Teaching, London, Longman’s Green and Company, 1982.

PEDAGOGY OF GEOGRAPHY
SECOND YEAR / SEMESTER – IV

OBJECTIVES

At the end of the course, the student-teachers will be able to

- acquire the knowledge about Recent Trends.
- realize the importance of Local Geography
- understand the models of teaching
- attain professional growth
- appreciate the need of Research in Geography education.

UNIT I – RECENT TRENDS **(15 hours)**

Scope of Modern Geography - Recent innovative and application in Geography, GIS – Applications - Advantages Remote sensing GPS, Data mining GTS, DATE.

Activity : Prepare a chart on recent trends used in geographical locations

UNIT II - LOCAL GEOGRAPHY **(15 hours)**

Local Geography –Its importance ,Identification of local Geographical related problem - Solidarity of Geography Teachers in Solving local problems.

Activity : A write up on the various activities used by geography teacher to solve local problems

UNIT III – MODELS OF TEACHING **(16 hours)**

- Models of Teaching –Concepts ,Principles , Objectives - Elements
- Concept Attainment Model
- Advance Organizer Model
- Information processing Model
- Its application in Teaching of Geography.

Activity : Prepare a comparative chart showing the various models of teaching geography with its application.

UNIT IV – PROFESSIONAL GROWTH AND CLASS MANAGEMENT

(15 hours)

- Need and Importance of professional Growth , Programmes for professional Growth ,Professional Ethics.
- Class Room Climate –Auto critic, Democratic Laissez /Faire –Class Room Management.
- Classroom Interaction Analysis –Modification of Teacher Behavior with Special Reference to Geography Teacher.

Activity : A report on any sessions using classroom interaction analysis

UNIT V – RESEARCH IN GEOGRAPHY EDUCATION (14 hours)

Meaning –need for research in Geography Education –Qualities of a good researcher - problems faced in research Geography Education-Action Research.

Activity : Action –Research –Report on any problem related to geography education

REFERENCE

- ❖ Aggarwal, J.C. Teaching of Geography : A Practical Approach, New Delhi, Vikas Publishing House Pvt.Ltd .,1992.
- ❖ Buch, M.B. Studies in Teacher Behaviour, Center of Advanced Studies in Education.
- ❖ Chorley ,R.J.and P.Hagett (ed)(1970).Frontiers in Geography Teaching, London, Methuen Co-Ltd.
- ❖ Gopsil,G.H(1973):The Teaching of Geography, London, Macmillan Education Ltd.
- ❖ Graves.N (1972).New Movements in the study and Teaching of Geography,London Maurice Temple Smith Ltd.
- ❖ Holtz,FT.(1925).Principle and Methods of Teaching Geography,Newyork,The Macmillan Company.
- ❖ Kochhar , SK, Teaching of Social Science, New Delhi, Sterling Publishers Pvt.Ltd., 1989.

- ❖ Krathwohl.D.R(1974).Taxonomy of Educational Objectives HandbookII, Affective Domain, Newyork, David McKey Company Inc.
- ❖ Long,M(1967).Hand Book for Geography Teachers,London,Methuen &Co.Ltd.
- ❖ Marchant,E.C.(Ed)(1971).The Teaching of Geography at school Level, London,George G Harrap &Co.Ltd.
- ❖ NCERT, Teaching Geography in Secondary Schools, A Handbook for Geography Teacher, New Delhi, 1970.
- ❖ Thralls,Z.A.The Teaching of Geography ,New Delhi, Eurasia Publishing House,Pvt ,Ltd.