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Proceedings of the Meeting of  
Board of Studies in Geography  
Held On - 10-2013. at 11.30 AM  
in Committee Cell of the University.

Members discussed the following issues at length and reached at the following agreements.

1. Merger of three papers of BA/~~III~~ BSc. III Geography into two papers for the parity in Unified Syllabus.
2. Course work (P.T.D.) and its approval.

Members opined that papers VII and VIII which were related to Geographical thought (VII) and Environmental Studies (VIII) be merged to make One paper Environmental Studies as paper VII.

The merged paper will, however, include aspects of <sup>geographic</sup> thought as: concepts of relationships, interaction, areal differentiation and Dualism in geography, systematic & regional geography, physical and human geography. It will form Unit I of the paper on Environmental Studies.

Paper VIII will be on Regional Studies of any one of the following regions

- A) South West Asia
- B) South East Asia
- C) Far East Asia
- D) South Asia.

Syllabus of these regional courses will remain unchanged.

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2. Course work (Ph.D.) and its approval. (3)

Members reviewed the draft/tentative Course work with two papers as:

1- Research Processes and Techniques

2. Recent Trends in Geographic Researches.

Syllabus has been approved with minor corrections included in these papers:

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**B.A./ B.Sc. Part - III**

**Paper-VII : Geographical Thought**

**Course Contents**

- Merged
- Unit-I The field of geography: its place in the classification of sciences, selected concepts of geography-distributions, relationships, interactions, areal differentiations and spatial organization.
- Unit-II Dualisms in geography, systematic & regional geography, physical & human geography. The myth and reality about dualisms.
- Unit-III Geography in ancient period – Contribution of Indian, Greek & Roman geographers, Geography in middleage – Arab Geographers, Renaissance period in Europe.
- Unit-IV School of thought – German, French, British, Russian and American.
- Unit-V Development of Geography in India after Independence.

**Books Recommended:**

- Abler, Ronald: Adams, John S. Gould Peter: Spatial Organization: The Geographers View of the World, Prentice Hall, N. J. 1971.
- Ali S. M.: The Geography of Puranas, Peoples Publishing House, Delhi, 1966.
- Amedeo, Douglas: An Introduction to Scientific Reasoning in Geography, John Wiley, U.S.A. 1971.
- Dikshit, R. D. (ed.): The Art & Science of Geography Integrated Readings, Prentice Hall of India, New Delhi – 1994.
- Hartshorne, R.: Perspective on Nature of Geography, Rand McNally & Co., 1959.
- Husain, M.: Evolution of Geographic Thought, Rawat Pub., Jaipur 1984.
- Johnston, R. J.: Philosophy and Human Geography, Edward Arnold London, 1983.
- Johnston, R. J.: The Future of Geography, Mehtuen, London 1988.
- Minshull, R.: The Changing Nature of Geography, Hutchinson University Library, London, 1970.
- Bansal, S. C.: Evolution of Geographical Thought, 2010.
- Kaushik, S. D.: Geographical Thought.

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Hyagi (Dr. S. K. Kulshrestha)  
Principal, BOS  
Convenor, BOS

## Paper-VII : Environmental Studies

## Course Contents

- Unit-I** Geography as a study of Environment; Concepts & components of environment; Development of environmental studies; Approaches to environmental studies; Concept of ecology and ecosystem. Man-Environment relationship, Agricultural and Industrial Practices, Science, Technology and Environment.
- Unit-II** The problems and causes of environmental degradation, Deforestation, soil erosion, Desertification, Air pollution, water pollution, Disposal of solid wastes.
- Unit-III** Environmental management: Environmental Education; Preservation of Ecological Balance at Local, Regional and National Level; Major Environmental Policies and Programmes.
- Unit-IV** Sample studies in environmental context – Ganga Action Plan, Tiger Project, Tehri Dam & Narmada Valley Project.
- Unit-V** Emerging environmental issues: Population explosion, Food security, Global warming; Bio-diversity and its conservation; sustainable development.

## Books Recommended:

- Jagdish Singh, Vatavaran Niyajan Aur Samvikas.
- P. S. Negi, Eco-Development and Environmental Geography (Hindi).
- G. P. Yadav & Ram Suresh, Paryavaran Adhyayan.
- V. K. Srivastava, Environmental and Ecology (Hindi).
- Griffith Taylor, Environmental Race and Migration.
- Sharma, H. S. and Chattopadhyay, S. K.: Sustainable Developments Concepts and Issues, Concept, New Delhi – 2000.
- Reid, D.: Sustainable Development, Earthscan, Pub., London, 1995.

int-I. Geography as a study of environment, concepts of relationships, interactions, areal differentiation, dualism in geography, systematic and regional geography, physical and human geography, possibilism & determinism.

(Dr. A. C. Kulkarni)  
Cenvenor, BOS

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## Regional Studies of any one of the following Regions

### (A) South West Asia

- Unit-I**      Region as a geographical entity and as a component of global system. Basis of regionlisation/ grouping of countries – Geographical, Political, Historical, Cultural etc.
- Unit-II**      Structure, Relief, Climate and Climate Regions, Vegetation, Irrigation, Power and Mineral Resources.
- Unit-III**      Population Distribution, Growth, Distribution Pattern, Migration; Agriculture, Industries, Transport and Trade.
- Unit-IV**      Strategic importance of the region, Suez Canal, Geographical Background of the modern problems.
- Unit-V**      Detailed regional study of any one Turkey, Iraq, Iran, Israel and Saudi Arabia.

#### Books Recommended:

- W. B. Fisher: The Middle East.
- Cressey: Cross Road.
- East and Spate: Changing Map of Asia.
- N. S. Ginsburg: Pattern of Asia.
- W. Willcocks: The Irrigation of MESSOPOTAMIA.
- J. Jones: Turkey.
- The Statesmans Year Book: 2001-2002.
- Vishwanath Tiwari – Asia, Ka Bhulolik Swaroop.
- Mahesh Narain Nigam and B. L. Garg – Pashchimi Asia.

(Dr. S. D. Kulkarni)  
Convener, BOS

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**(B) South East Asia**

- Unit-I** Region as a geographical entity and as a component of global system. Basis of regionalization/ grouping of countries. Geographical, Political, Historical, Cultural etc.
- Unit-II** Structure, Relief, Climate and Climatic Regions, Vegetation, Irrigation Power and Mineral Resources.
- Unit-III** Population – distribution, growth, distribution pattern, migration; Agriculture, Industries, Trade and Transport.
- Unit-IV** Strategic importance of the region, Geographical background of the modern problems.
- Unit-V** Detailed regional study of any one Myanmar, Thailand, Malaysia, Singapore and Indonesia.

**Books Recommended:**

- Dudely Stamp: Asia.
- Fisher, Charles, A: South East Asia.
- Dobby: South East Asia.
- Dr. Jagdish Singh – Monsoon Asia.
- Dr. V. K. Srivastava – Asia.
- Vishwanath Tiwari – Asia, Ka Bhulolik Swaroop.
- Mahesh Narain Nigam and B. L. Garg – Monsoon Asia.

(Dr. S. K. Kulkarni)  
Convener, BCS

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(C) Far East Asia

- Unit-I** Region as a geographical entity and as a component of global system. Basis of regionalization/ grouping of countries geographical, political, historical, cultural etc.
- Unit-II** Structure, Relief, Climate and Climatic Regions, Vegetation, Irrigation Power and Mineral Resources.
- Unit-III** Population – distribution, growth, distribution pattern, migration; Agriculture, Industries, Trade and Transport.
- Unit-IV** Strategic importance of the region, Geographical background of the modern problems.
- Unit-V** Detailed regional study of any one China, Japan.

**Books Recommended:**

- Dr. M. N. Nigam – Monsoon Ka Asia.
- Vishwanath Tiwari – Asia, Ka Bhulolik Swaroop.
- Trewartha; G. T. Japan.

(Dr. S C ~~Rajshreshtha~~)  
Convener, BOS

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## (D) South Asia

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- Unit-I** Region as a geographical entity and as a component of global system. Basis of regionalization/ grouping of countries. Strategic importance of the region.
- Unit-II** Detailed systematic and regional study of Pakistan.
- Unit-III** Detailed systematic and regional study of Bangladesh.
- Unit-IV** Detailed systematic and regional study of Sri Lanka and Maldives.
- Unit-V** Detailed systematic and regional study of Nepal and Bhutan.

### Books Recommended:

- E. K. Cook : Ceylon.
- B. L. C. Johnson : South Asia.
- J. E. Spensor : Asia; East by South.
- C. B. Cressey : Asia – Land & People.
- H. Robinson : Monsoon Asia.
- B. N. Tiwari : Asia (in Hindi).
- B. P. Rao : Asia (in Hindi).
- N. Ahmed : Bangladesh.
- P. P. Karan : Himalayan Kingdom.

(Dr. S. K. Shrestha)  
Convener, BCS

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Paper-X: Practicals

(A) Field Work

Unit-I Plane table Surveying ; Radiation, Intersection & Resection methods, two point problem and three point problem.

Unit-II Surveying by Prismatic Compass - open traverse and close traverse, Elimination of error by Bowdich Method.

Unit-III Use of Sextant ; measurement of height-accessible and inaccessible method.

OR

Indian clinometer; Measurement of height-accessible and inaccessible method.

(B) Field Study Report :

Select a village or a town or a ward of a city and prepare a report based on primary and secondary data with the help of maps and diagrams.

(C) Viva-Voce & Sessional Records

Division of Marks:

(A) Field work (One exercise from each unit. Duration four hours)	10+10+5 (25)
(B) Field Study report	15
(C) Viva-Voce & Sessional Records	10

Books Recommended:

- Singh, R.L., Elements of Practical Geography, Kalyani Pub. New Delhi.
- Khan, Z.A., Text book of practical Geography, Concept, New Delhi-1998.
- Sharma J.P.-Prayogik Bhugol.

The Geography Department may select a village or a town or a part of a city and organize field study camp of all the students under the supervision of teaching and supporting staff. Alternatively, separate localities may be allotted to single/ small batches of students separately and supervision may be made as and when required. TA & DA will be paid by the college concerned to the teaching and supporting staff members if they accompany the students during the field work.

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Convener, BOS

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**CHAUDHARY CHARAN SINGH UNIVERSITY, MEERUT**

Tentative COURSE WORK (PH.D) in Geography  
(EFFECTIVE FROM 2012-13)

**Papers**

- 1-Research Processes and Techniques
- 2-Recent trends in Geographic Researches

Paper-I

**Research Processes and Techniques**

1-Nature of Research: Theoretical Aspect

- A) Research: Origin, definition and nature
- B) Research: Elements, areas and aspects
- C) Research sponsorship
- D) Research and criticism

2-Types of Research

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- A) Review of literature, citations, quotes and references
- B) Interdisciplinary research
- C) Comparative research
- D) Spatial research: observational, experimental, participatory
- E) Non spatial research

### 3-Theme selection, objectives and research questions

- A) Selection of research problem and area of research
- B) Setting of objectives and research questions
- C) Developing a research outline
- D) Collection of data: field notes sketches, observations, questionnaires, interviews, remotely sensed data and ground truth, participants etc.

### 4-Organization of research theme

- A) Logical design of research theme into chapters/ sections
- B) Flow chart of research methodology
- C) Formulations of hypothesis
- D) Testing of hypothesis and field checks
- E) Bibliography, appendices and tools of data collection

### 5- Processing of Data/information and notes

- A) Classification of data into groups
- B) Tabulation
- ~~D) Statistical treatment~~ : measures of central tendency, dispersion, associations and regression
- ~~C) Cartographic treatment~~: graphic representation, diagrams, maps charts

Paper - II

## **Recent trends in geographic researches**

### **1- Research methods in physical geography**

- A) Morphometric analysis: Slope analysis, drainage density
- B) Weather and climate studies: variability of rainfall, water balance, climate changes
- C) Environmental issues: Land capability, soil fertility, degradation, pollution, extinction
- D) Hazard and risk zonation: satellite data and images interpretation and analysis

### **2-Research methods in human geography**

- A) Historical Studies: Reconstruct of documentary and archaeological evidences

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- B) Population studies: Population change, composition, migration, quality of life
- C) Urban studies: Urbanization, housing, rank size rule, functional analysis
- D) Studies on social geography: Caste groups, tribal situation, language, religion

### 3-Research methods in economic geography

- A) Agricultural research methods: Cropping intensity, crop combinations, productivity, food security
- B) Methods of industrial research: Location quotient, <sup>Transport</sup> network analysis, retail gravitation and industrial pollution
- C) Methods of marketing research: Deficit and surplus products and their marketing of services
- D) Services and amenities: Provisions, service gaps, intensity

### 4- Research methods in developmental studies

- A) Rural development: Component analysis,
- B) Urban development: slum area development,
- C) Backward area development: Drought, flood and disaster affected areas
- D) Problem area development: Border area, specific problems of soil, migration

### 5-Research methods in resource management and planning

- A) Local resource management and area planning: Issues, feasibility and viability
- B) Micro level planning: Issues, feasibility and viability
- C) District level planning: Issues, feasibility and viability
- D) Regional resource management and planning: Issues, feasibility and viability
- E) National planning: Issues, feasibility and viability

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**Note:** There will be two questions from each unit making ten questions in the paper. Examinees will have to attempt five questions selecting one question from each unit.

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