



पाठ्यक्रम समिति - बैठक

आज दिनांक 30.05.2017 को इलाहाबाद राज्य विश्वविद्यालय, इलाहाबाद के स्नातक एवं स्नातकोत्तर अंगीकृत विषय की पाठ्यक्रम समिति की बैठक विश्वविद्यालय परिसर में सम्पन्न हुई। बैठक में अधोलिखित सदस्य उपस्थित हुए-

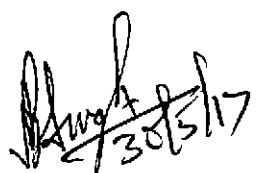
- 1- डा. विनोद कुमार शुक्ल (संयोजक)
- 2- प्रो० बी० रम० सिंह - सदस्य
- 3- प्रो० आर० रम० यादव - सदस्य
- 4- प्रो० आर० बी० पटेल - सदस्य
- 5- डा० आर० के० दूबे - सदस्य.

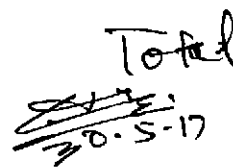

 R. S. Yadav
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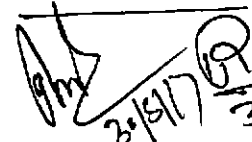
पारित प्रस्ताव.

1- स्नातक स्तर पर प्रश्नपत्रों का प्रारूप निम्नवत निर्धारित किया गया -

<u>B.A.I</u>	
Paper-I Physical Geography	75
Paper II Human Geography	75
Paper-III Practical	50
<u>Total 200 Marks</u>	
<u>B.A.II</u>	
Paper I. World Regional Geography	75
Paper II Geography of India	75
Paper III Practical	50
<u>Total 200 Marks</u>	
<u>B.A.III</u>	
Paper-I - Geographical Thought	75
Paper - II - Environment Study	75
Paper-III Resource Geography	75
Paper-IV. Practical	75
<u>Total 300</u>	


 R. S. Yadav
 30.05.17


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 R. S. Yadav
 30.05.17

B.A./B.Sc. Geography 2017-18 Onwards

Scheme of Examination and Course Structure

The course structure of BA/B.Sc., Part I, Part II and Part III Degree examinations in Geography shall be effective from the examinations of 2017-18, 2018-19 and 2019-20.

The Three Year undergraduate examinations in Geography will be conducted in three parts as under:

Part I: B.A./B.Sc. Part I Examination


Part II: B.A./B.Sc. Part II Examination, and

Part III: B.A./B.Sc. Part III Examination

The B.A./B.Sc. Part I and Part II examinations in Geography will comprise two theory papers each and a Practical each and B.A./B.Sc. Part III will comprise of three theory Papers and one Practical Paper. Each Theory paper will be of three hours duration and will carry 75 marks as the maximum marks. The Practical Examination will be of six hours duration (in two parts of three hours duration) and will carry 50 marks for B.A./B.Sc. Part I and Part II and 75 marks for B.A./B.Sc. Part III. The Practical examination will be conducted by two internal and one external examiner. It is obligatory to pass in the aggregate marks of the theory examination and in the practical examinations separately.

The details of theory papers and practical examination courses are given Below:

Part	Syllabus	Maximum Marks	Duration (hrs.)
B.A./B.Sc. Part I	Physical Geography	75	3
	Human Geography	75	3
	Practical	50	3-3
	Total	200	
B.A./B.Sc. Part II	World Regional geography	75	3
	Geography of India	75	3
	Practical	50	3-3
	Total	200	
B.A./B.Sc. Part III	Geographical Thought	75	3
	Environmental Study	75	3
	Resource Geography	75	3
	Practical	75	3-3
	Total	300	


3-9/2/17

Exam Pattern for All Paper:

The Question paper will consist of 9 questions. The candidate will be required to attempt five questions in all. Question no. 1 will be compulsory and short note type consisting of two topics from each units of which only five are to be attempted. The remaining eight question will be from the four Units- two from each.

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B.A./B.Sc. Part I (Geography)
Paper I: Physical Geography

Unit I

Meaning and Scope of Physical Geography: Theories of origin of the Earth (Classical Indian Views), Theories of Kant, Laplace, Jeans & Jeffreys, Russell, Hoyle, Otto Schmidt, Big Bang; Interior of the Earth; Origin of the Continents & Ocean Basins- Tetrahedral theory, Theory of Continental Drift, Concept of Plate Tectonics; Theory of Isostasy; Earth Movements- Diastrophism. Folding and faulting. Earthquakes and Volcanoes: Sub-areal denudation- Weathering and erosion; Works of Running water, Underground water, Wind, Glaciers & Marine water and Resultant landforms: Normal cycle of Erosion; System & pattern of drainage.

Unit II

Composition and structure of atmosphere; Insolation: Vertical & Horizontal distribution of Temperature; Pressure and Winds, Humidity & Precipitation, Types of rainfall; Origin & Characteristics of Temperature & Tropical Cyclones; Anti Cyclones.

Unit III

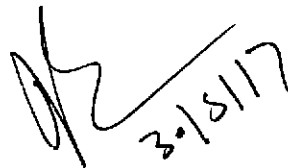
Surface Configuration of Ocean Basins with special reference to Atlantic & Indian Oceans; Ocean Temperature; Salinity and Density of Ocean Water, Ocean Tides & Currents; Marine Deposits; Coral Reefs & Atolls.

Unit IV

Abiotic and biotic components of the biosphere; characteristics and types of ecosystem; biosphere as an ecosystem; biotic succession; Man and biosphere, distribution and dispersal of plants; biome types- equatorial rainforest, monsoon, savanna and temperate grassland biomes

Recommended Books:

1. Triwartha, G.T., **Elements of Physical Geography**
2. Wooldridge & Morgan, **Physical Basis of Geography**
3. Singh, D.K., **Physical Geography**
4. Singh, Savindra, **Physical Geography**
5. Singh K.N. & J. Singh, **Bhautik Bhoogol**


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Paper II
Human Geography

Unit I

Meaning and scope: Evolution; Principles and Approaches of Human Geography: Elements of Human Geography with special reference to Jean Brunhes and Huntington; Man and Environment Relationships- Determinism, Possibilism, Neo-determinism, Probabilism

Unit II

Evolution of Man- Australopithecus, Homo-hanilis, Homo-erectus, Homo-Sapien; Man's Spread over globe during Pleistocene; Global Migration in Modern World- Their Causes and Consequences; Human Races- Origin & Classification. Cultural Stages and Cultural Realms; Habitat and socio-economic Adjustment; Major tribes- Pygmies, Kirghiz, Eskimos, Bushmen, Gond, Gaddi, Tharu and Santhal;

Unit III

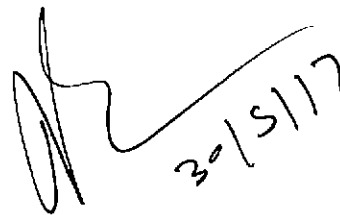
Stages of Population growth; Distribution of Population; Population Agglomerations; Population Problems; Concept of Human Resource Development;

Unit IV

Human Settlements- Rural Settlements- Types and Patterns with special reference to India; House Types in India. Urban Settlements- Trend and Pattern of Urbanization in the World; Classification of Cities.

Recommended Books:

1. Huntington & Shaw, **Principle of Human Geography**
2. Majumdar, D.N., **Races and Culture of Man in India**
3. Singh, J. and K.N. Singh, **Human Geography**
4. Srivastava, V.K. & B.P. Rao, **Human Geography**
5. Dikshit, S.K. & R.D. Tripathi, **Cultural Geography**


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Practical Paper

Unit I

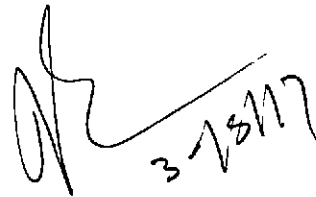
Drawing of Scales- Comparative, Diagonal and Vernier; Study & Interpretation of Topographical Sheet: (a) Representation of Following features by Contours- Hill, Saddle, Plateau, Cliff, Spur, Escarpments, 'U' & 'V' shaped Valley, (b) Study of 1:50,000 R.F. Topographical Sheets, at least one from Hill, Plateau and Plain region; Cartographic Representation of Stastical Data: (a) Graphs- Line Graph, Band Graph, Hythergraph and Climograph, (b) Diagrams- Circle, Wheel, Pyramid, Rectangular, Wind Roses., (c) Distribution of Population- Dot method and Choropleth method.

Unit II

Survey of given Area and Plotting the same by Plane Table- Radiation, Intersection and Resection methods, Open & Closed Traverse; Hieght and Depth; Measurement of Indian Clinometer

Recommended Studies:

1. Singh, R.L., **Elements of Practical Geography**
2. Bygott, **Practical Geography**
3. Hiralal, **Navin Prayogatmak Bhoogol**
4. Chauhan, P.R., **Prayogatmak Bhoogol**
5. Tiwari, R.C., **Prayogatmak Bhoogol**
6. Shrivastava, V.K. & Mahatam Prasad, **Bhoogol me Sankhikiya Vidhiyan.**


3-18/17

B.A./B.Sc. Geography
Part II
Paper I: World Regional Geography

Unit I

Concept of region in Geography; systematic and regional geography, types of classification of regions (formal and functional), criteria of delimitation and characteristics of natural, cultural, economic and political regions.

Unit II

Asia in the context of world; structure; relief; drainage; climate; natural vegetation and soils; spatial distribution of population; economic base; Regional studies of south, south-east, east and west Asia.

Unit III


Europe: Physical, economic and demographic characteristics; Regional studies of British Isles, Eastern, Western and Mediterranean realm and European Union.

Unit IV

North/South America and Australia: Physical, economic and demographic set up; Regional studies of USA, Canada, Brazil and Australia

Recommended Studies

1. R. Hartshorne: Perspective on Nature of Geography.
2. R. Minshull: Regional Geography- Theory and Practice
3. G.B. Cressey: Asia's Land and People.
4. W.G. Lant, O.H.K. Spate and C. Fisher: Changing Map of Asia.
5. N. Ginsberg(ed.): The Pattern of Asia.
6. J. Kole: **A Geography of World's Major Regions**, Routledge, London, 1996.
7. H.J. Deblij: **Geography: Regions and Concepts**, John Wiley, New York, 1994
8. R.H. Jackson & L.E. Hudman, **World Regional Geography: Issues for Today**, John Wiley, New York 1991
9. G.H. Minshull: **Western Europe**, Oxford & Stoughton, NY, 1984
10. J.H. Patterson, **Geography of Canada and the United States**, Oxford University Press, 1985



Paper II: Geography of India

Unit I

Global position of India; Geological Structure; Relief; Drainage Systems; Physiographic Regions; Origin of Monsoon; Climatic Regions; Soils & Natural Vegetation; Mineral resources- Iron-Ore, Bauxite, manganese, Atomic Minerals; Power resources- Coal, Petroleum, Hydro-electricity, Non-Conventional Energy Sources.

Unit II

Human Resources- Growth & Spatial Pattern of population: Population explosion, Trend & Pattern of Urbanization in India; National Population Policy, Economic Activity Patterns- Agricultural Land Use Pattern; Irrigation and Multipurpose Projects; major crops- Wheat, Rice, Maize, Sugarcane, Cotton, Tea, Coffee. Impact of Green Revolution; Crop Association Regions.

Unit III


Growth of Industries in India; Major Industries- Iron & Steel, Cotton Textiles, Cement, Fertilizer, Paper & Sugar; Industrial Regions; Problems and Prospects of Industrially Backward Regions; Transport Network- Road, Rail & Air Transport;

Unit IV

Geographical Regions of India- Detailed Study of Assam Valley, Malabar Coast, Middle Ganga Plains and Malwa Plateau.

Recommended Studies:

1. Spate & Learmonth, **India and Pakistan**, London
2. Singh, R.L. (ed.), **India: A Regional Geography**, Varanasi
3. Tiwari, R. C., **Geography of India**, Allahabad
4. Singh, J., K N. Singh & R.B. Patel, **Bharat**, Gorakhpur
5. Dubey, R.N., **Bharat ka Arthik Bhoogol**, Kitab Mahal, Allahabad
6. MAMoria, C.B., **Bharat ka Ghoogol**, Sahitya Bhawan, Agra, 1988
7. Bansal, S.C., **Bharat ka Bhoogol**, Meenakshi Prakashan, Meerut, 1985



Practical

Unit I

Map Projection- Classification and Choice of Projection: Construction of Map Projections- Cylindrical Equal Area, Mercator's Conical with Two Standard Parallel, Bonne's, Polar Zenithal Equal area, Polar Zenithal Stereographic, Polar Zenithal Orthomorphic.; Study and Interpretation of Indian daily weather reports- Use of weather Instruments- Wet and Dry bulb Thermometer, Barometer, Wind-Vane, Rain Gauge; Study of weather Symbols and Interpretation of Indian Daily Weather Reports of January & July; Weather Forecasting.; Geological Maps- Completion of Beds, Drawing of Cross-Section and Interpretation of Horizontal, Inclined and Folded Beds.

Unit II

Survey and Plotting of a given area by Prismatic compass with open and Closed Traverse Methods, Correction of closing error, Use of Sextant Measurement of Angles and calculation of Height.

Recommended Studies:

1. Singh, R.L., **Elements of Practical Geography**
2. Bygott, **Practical Geography**
3. Hiralal, Navin **Prayogatmak Bhoogol**
4. Chauhan, P.R., **Prayogatmak Bhoogol**
5. Tiwari, R.C., **Prayogatmak Bhoogol**
6. Shrivastava, V.K. & Mahatam Prasad, **Bhoogol me Sankhikiya Vidhiyan.**



B.A./B.Sc. Geography
Part III
Paper I: Geographical Thought

Unit I

Geography in Ancient Period: India- Geographical knowledge during Vedic, Epic and Puranic period, Contribution of Aryabhata, Varahmihira, Brahmagupta & Bhaskaracharya; Contribution of Greek and Roman Geographers

Unit II

Geography in Middle Ages. Contribution of Arab Geographers; Renaissance Period in Europe. Renowned Travellers and their Geographical Discoveries.

Unit III

German School of Geography: Contribution Forsters, Kant, Humboldt, Ritter, Richthofen, Ratzel, Hettner, French School of Geography. Contribution of Blache and Brunhes. Soviet Geography- Development of geographical Knowledge. Contribution of Lomonosov, Dokuchaiev, Baransky and Gerasimov. American School- Contribution of Davis, Semple, Huntington, Carl Sauer, British School- Contribution of Mackinder, Herbertson and L.D. Stamp

Unit IV

Nature and Scope of Geography: Geography as Science. Recent Trends of Geography. Process of Geography of India

Recommended Studies

1. Dikshit, R.D., **Geographical Thought**, New Delhi.
2. Mazid Hussain, **Evolution of Geographical Thought**, Jaipur
3. Dickinson, R.E., **The Makers of Modern Geography**, London
4. Singh, J., **Bhaugolik Chintan ka Kram Vikas**, Gorakhpur.
5. Kaushik, S.D., **Bhaugolik Vichardharayein**, Meerut
6. Singh, I.R., **Bhoogol ki PRakriti**, Lucknow
7. Dikshit, S.K., **Bhaugolik Chintan: Udbhav evam Vikas**, Varanasi



Paper II: Environmental Study

Unit I

Concept of Environment, Elements of Environment, Concepts of Ecosystems and its structure, Trophic Level and Food Chain, Function of Ecosystems, Biogeochemical cycle, Role of man in Ecosystem, Environmental Degradation-concept, cause and consequences, Economic Development and Environmental Crisis, Acid Rain, Greenhouse Effect, Ozone Layer depletion and Global Warming, Impact of Growth of Population, industrialization, technology and consumerism on Environment.

Unit II

Causes and Consequences of Deforestation: Soil Erosion; Energy Crisis; Climate changes due to Environmental pollution.

Unit IV

Ecosystem in India, Causes and consequences of deforestation in India, Soil erosion, Air, Water pollution and flood hazards in India, Urbanization and Environmental degradation.

Unit IV

Environment Management- concept and significance, environment Impact Assessment of major development project in India- Damodar valley project, Tehri Narmada valley project, concept of Eco-Development, Environmental Management

Recommended Studies

1. Allen, P.D., **Environment and Development**
2. Gerasimov, **Ecology & Geography**
3. KAYastha, S.L., **Fundamentals of Environmental Studies**
4. Khushoo, T.N., **Environment and Sustainable Development of India**
5. Singh, J., **Vatavaran Niyojan evam Samvikas**
6. Singh, Savindra, **Environmental Geography/ Paryavaran Bhoogol**
7. Srivastava, V.K. & B.P. Rao, **Paryavarn evam Paristhiki**



Paper III: Resource Geography

Unit I

Definition, Nature and content of Resource Geography; Classification of Resources with Brief Introduction to Each Type; Significance of Resource Geography

Unit II

Population and Resource Base: Optimum Population, Over Population and Under Population; Intensity of Utilization of Resources and Regional Disparities, Human Resource Regions of the World (Detailed Study of Two: One each from High Developed and Less Developed World).

Unit III

Forest, Types, Pattern of Utilization, Deforestation- Causes and Effects, Water Resources: Spatial Distribution of Surface Water and their Problems; Soils Definition, Major Soil Groups, Degradation and Conservation of Soil

Unit IV

Coal, Petroleum and Iron-ore: Production, Distribution and Trade.

Recommended Studies:

1. Roy, P., **Economic Geography: A Study of Resources**, New Central Book Agency, Kolkata.
2. Harthshorne, T.A. and J.W. Alexander, **Economic Geography** (3rd ed.) Prentice Hall of India, New Delhi.
3. Gautam, Alka, **Geography of Resource: Exploration, Conservation and Management**, Rastogi Publications, Meerut
4. Thakur, B., **Perspective in Resource Management in Developing Countries: Population, resources and Development**, Vol.2, Concept Publishing Company, New Delhi.
5. Chandana, R.C., **Geography of Population**, Kalyani Publishers, Ludhiana



Practical

Unit I

Statistical Methods in Geography- Mean, Median, Mode, Mean Deviation, Standard Deviation, Spearman's correlation coefficient, graphical representation and interpretation of frequency polygon, Histogram, Ogive.; Analysis of Relief: Longitudinal and Transverse Profiles, Construction of Superimposed, Projected and Composite Profiles, Wentworth method of Slope Analysis and Drainage Density, Aerial-Photo interpretation- Determination of Scales, Land Use Analysis with the help of Aerial Photographs; Use and Importance of Computer in Geography, Hardware and Software

Unit II

The students shall be taken out on a field survey at any one place for about three days. They will be required to conduct surveys of the socio-economic landscapes of the concerned area and write a detailed report on the basis of data so generated.

Note: The student shall conduct physical/socio-economic survey in different parts of the country as decided by the department, under the supervision of a member of the faculty of the department. The teacher in charge shall be paid TA/DA by the colleges as per University rule.

Recommended Studies:

1. Singh, R.L., **Elements of Practical Geography**
2. Bygott, **Practical Geography**
3. Hiralal, **Navin Prayogatmak Bhoogol**
4. Chauhan, P.R., **Prayogatmak Bhoogol**
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