

**SHRI JAGDISHPRASAD JHABARMAL TIBREWALA
UNIVERSITY CHUDELA, JHUNJHUNU
(RAJASTHAN)-333010**



SYLLABUS

B.A. GEOGRAPHY

Three Year Full Time Programme (2021-2024)

(Six-Semester Course)

COURSE CONTENTS

**I & II Semester Start From Year 2021-2022
III & IV Semester Start From Year 2021-2022
V & VI Semester Start From Year 2021-2022
And Onwards**

B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
I SEMESTER

Subject Code : HHG105: Physical Geography -I

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

Definition Scope and Development of Physical Geography. Geological History of the Earth, Zoning of Earth's interior ,rocks, origin of continents and oceans; continental drift theory and plate tectonics; concept of isostasy: views of Airy, Pratt, Joly and Holmes.

Section-B

Composition and structure of the atmosphere, Insolation, air temperature, air pressure, pressure belts and planetary winds, monsoon and local winds, humidity, classification of clouds and precipitation.

Section-C

Surface configuration of oceans bottom: Pacific, Atlantic and Indian oceans, ocean deposits, horizontal and vertical temperature of oceans, oceanic salinity, tides, oceanic waves and currents, coral reefs and their origin: views of Darwin and Dana, W.M.Davis,Murray.

Essential Readings :

Tikkha,R.N. : Physical Geography. Kedar Nath Ram Nath and C.,Meerut.

Sharma,H.S.,SharmaM.L.: Physical Geography. Panchsil Prakasan jaipur.

Singh, S. : Geomorphology, Prayag Pustak Bhawan,Allahabad, 2010

Dayal, P. : Geomorphology, Rajesh Publication, New Delhi

Sharma, H.S. (ed.) : Perspective in Geomorphology Concept Publications, New Delhi, 1980

Woldridge andMorgan : An Introduction to Geomorphology, Longmens, Green and Com. London

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B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
I SEMESTER

Subject Code : HHG106: Geography of Rajasthan -I

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

Physical aspects of rajasthan: geological structure, relief climate, drought, drainage, natural vegetation. Environmental pollution-causes and types; desertification, soils, soil erosion and conservation; availability, problems and conservation of water resources.

Section-B

Irrigation projects: detailed study of Indira Gandhi canal project, Chambal valley project, Mahi Bajaj sagar projects on physical and socio-economic aspects, agriculture: development under five year plans, problems of agriculture development, general land use, live-stock and dairy development, minerals.

Section-C

Population problems, study of bhil, meena and garasia. Settlement pattern: types of Settlements, building materials and house types in rajasthan with examples, factors affecting settlement.

Essential Readings :

- Bhalla, L.R. : Geography of Rajasthan, Kuldeep Publication, Jaipur.
- Mishra, V.C. : Geography of Rajasthan, NBT, Delhi.
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B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
I SEMESTER

Subject Code : HHG107: Practical Geography

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Definition and types of scale: simple, comparative, diagonal.

Graph: Line graph, bar graph, combined line and bar graph, hythergraph and climograph, climatograph, water budget graph, wind rose.

Weather maps: weather symbols, representation of atmospheric features, interpretation of Indian daily weather maps (july and January). Weather instruments.

Essential Readings :

- Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
- Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
- Sharma, S.R. : Practical Geography, College Book depot, Jaipur
- Crampton, J. : Mapping, Black well, Publications
- Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
Mounck House, F.G.
- & Wilkinson, H.R. : Map & Diagram, B.I. Publications Pvt. Ltd., New Delhi.
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B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
II SEMESTER

Subject Code : HHG205: Physical Geography -II

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

Earth movements: epeirogenic and orogenic; mountain building theories: Kober, Jeffreys, Daly, Joly and Holmes and Plate tectonics; denudation, cycle of erosion: views of W.M.Davis and W.penck, erosional and depositional topographies: river, underground water, glacier, wind and oceanic waves.

Section-B

Air masses fronts and cyclones: tropical and temperate, classification of the world climates: Koppen and Thornthwaite, general climatic classification.

Section-C

Classification of marine resources, biosphere and its components, ecosystems, plant community and animal kingdom, biomes: equatorial rainforest, monsoon, savanna and temperate grasslands.

Essential Readings :

- Tikkha,R.N. : Physical Geography. Kedar Nath Ram Nath and C.,Meerut.
- Sharma,H.S.,SharmaM.L. : Physical Geography. Panchsil Prakasan jaipur.
- Singh, S. : Geomorphology, Prayag Pustak Bhawan,Allahabad, 2010
- Dayal, P. : Geomorphology, Rajesh Publication, New Delhi
- Sharma, H.S. (ed.) : Perspective in Geomorphology Concept Publications, New Delhi, 1980
- Woldridge andMorgan : An Introduction to Geomorphology, Longmens, Green and Com. London
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B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
II SEMESTER

Subject Code : HHG206: Geography of Rajasthan -II

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

Mineral resources: distribution and production; power and energy resources: distribution and production (hydro-electricity, coal petroleum, solar energy and bio-energy) irrigation sources, irrigation intensity, crop wise irrigation, quality of irrigation water problems.

Section-B

Industries: textile, sugar, cement, marble and granite, fertilizer, zinc and copper smelting. Transport and trade, development of tourism, desert development programme, tribal areas development programme, aravali hill development programme.

Section-C

Population problems, study of bhil , meena and garasia. Settlement pattern: types of Settlements, building materials and house types in rajasthan with examples, factors affecting settlement.

Essential Readings :

Bhalla, L.R. : Geography of Rajasthan, Kuldeep Publication, Jaipur.

Mishra, V.C. : Geography of Rajasthan, NBT, Delhi.

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B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
II SEMESTER

Subject Code : HHG207 : Practical Geography

1. Written Test	Four hrs (5Qs.)	= 50 Marks
2. Record Work & Viva-Voce.	(15+10)	= 25 Marks
3. Field survey & Viva-Voce. (Four hrs)	(15+10)	= 25 Marks
Total-		= 100Marks
Internal-	(Record Work-15+ Field survey -15)	30Marks
External-	(Written Test-50+Viva –Voce-20)	70Marks

Methods of showing different relief features: hachures, hill shading, bench mark, spot heights, formlines, contours and drawing of cross sections (conical hill and plateau, types of slopes, valleys, ridge and saddle, gorge, waterfall and rapids, escarpment, lake, spur, col, meanders and cliff)

Profiles: serial, superimposed, projected and composite.

Surveying: meaning, classification and significance. Chain and tape surveying : open and closed traverse.

Essential Readings :

Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
 Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
 Sharma, S.R. : Practical Geography, College Book depot, Jaipur
 Crampton, J. : Mapping, Black well, Publications
 Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
 Mounck House, F.G.
 & Wilkinson, H.R. : Map & Diagram, B.I. Publications Pvt. Ltd., New Delhi.

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B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
III SEMESTER

Subject Code : HHG305: Resources Geography-I

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

Nature scope and significance of resources geography, definition and classification of resources: renewable and non renewable resources, resource classification of Zimmerman.

Section-B

Human resources: population growth, distribution and density, causes of inequalities, population-resources relationship and problems, Agricultural resources: fisheries and cereal.

Section-C

Concepts of resources utilization, their conservation. Environmental and cultural constraints in resource utilization, water conservation and rainwater harvesting.

Essential Reading :

Alexander, E.W. 1988: Economic Geography. Prentice Hall India, New Delhi.

Bunting B.C., 1987: The Geography of Soil. Prentice hall, New York.

Mitchell, Bruce, 1979: Geography and Resource Analysis. Longmans, London.

Park, C.C. 2001: Environment-Principles and applications. Routledge, London.

Park, C.C 2001: The Environment-Principles and applications. Routledge, London.

Robinson, G.W. 1932 : Soils, their Origin, Constitution and Classification, London.

Shafi, M. 2004: Agricultural Geography. Pearson India.

B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
III SEMESTER
Subject Code : HHG306 : Human Geography-I

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

Definition, aims and scope of human geography, relation of human geography with other social sciences, principles of human geography.

Section-B

Human races: evolution and migration, zone-strata theory, classification of races: types, characteristics and distribution. Human races in India.

Section-C

Migration of population : causes types and impact; population regions and population policies in India. Rural settlements: factors affecting development of rural settlement, types and patterns of rural settlements.

Essential Readings:

- Brunches, J. : Human Geography
- Huntington, E : The principles of Human Geography, John Wiley & Sons, N. Y.
- Eperillou, A. V. Human Geography, Longmans, 1965
- Money, D. C. : An Introduction to human Geography, U. I. P. London
- Karan, M. P. : Manav bhugol ke sidhant , kitabghar, Kanpur .
- Mamoria , C. B. : Principles of Human Geography .

B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
III SEMESTER

Subject Code : HHG307 : Practical Geography

1. Written Test	Four hrs (5Qs.)	= 50 Marks
2. Record Work & Viva-Voce.	(30+20)	= 50Marks
Total-		= 100Marks
Internal-	(Record Work-15+ Field survey -15)	30Marks
External-	(Written Test-50+Viva –Voce-20)	70Marks

Definition of cartography, types of cartographic symbols and their uses, drawing instruments and materials, classification and representation of data with the help of squares, rectangles, circles, spheres, ring, pyramids, wheel diagrams, traffic flow diagram, isochronic chart.

Classification and uses of maps, drawing of isopleths, choropleth, chorochromatic, chorochromatic and dot maps (simple, multiple and multi colour).

Essential Readings :

- Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
- Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
- Sharma, S.R. : Practical Geography, College Book depot, Jaipur
- Crampton, J. : Mapping, Black well, Publications
- Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
Mounck House, F.G.
- & Wilkinson, H.R. : Map & Diagram, B.I. Publications Pvt. Ltd., New Delhi.
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B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
IV SEMESTER

Subject Code : HHG405: Resources Geography-II

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

Natural Resources: distribution, exploitation, uses and conservation of forest, water, soils, fisheries, mineral resources, energy resources (coal, petroleum, natural gas and non-conventional energy resources.)

Section-B

Crops: rice, wheat, maize and barley; beverages: tea, coffee and tobacco, commercial crops: cotton, rubber, jute, sugarcane, silk and artificial fibres. Agricultural regions of the world.

Section-C

Soil and forest resources conservation, land capability classes, resources regions of the world, resources regions of the India, economic regions of the India, sustainable development.

Essential Reading :

Alexander, E.W. 1988: Economic Geography. Prentice Hall India, New Delhi.

Bunting B.C., 1987: The Geography of Soil. Prentice hall, New York.

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ekFkwj] ch- 1998 % lalk/ku HkwksyA jLrksxh izdk'ku] esjBA

Mitchell, Bruce, 1979: Geography and Resource Analysis. Longmans, London.

Park, C.C. 2001: Environment-Principles and applications. Routledge, London.

Park, C.C 2001: The Environment-Principles and applications. Routledge, London.

Robinson, G.W. 1932 : Soils, their Origin, Constitution and Classification, London.

Shafi, M. 2004: Agricultural Geography. Pearson India.

B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
IV SEMESTER

Subject Code : HHG406 : Human Geography-II

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

Essential facts of human geography. According to Brunhes and Huntington, schools of man-environment relations: determinism possibilism and neo determinism.

Section-B

Tribes of the world: Eskimos, bushman, pigmy, masai, badduian and khirgiz; tribes in India: bhils, nagas, santhal, gond, gujjar of jammu and Kashmir and toda. Population growth and theories, distribution and density of world population.

Section-C

Building material and house types, urban settlements: process of urbanization, urban problems in India, impact of human activities on environment.

Essential Readings:

Brunches, J. : Human Geography

Huntington, E ; The principles of Human Geography, John Wiley & Sons, N. Y.

Eperillou, A. V. Human Geography, Longmans, 1965

Money, D. C. : An Introduction to human Geography, U. I. P. London

Karan, M. P. : Manav bhugol ke sidhant , kitabghar, Kanpur .

Mamoria , C. B. : Principles of Human Geography .

B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
IV SEMESTER

Subject Code : HHG407 : Practical Geography

1. Written Test	Four hrs (5Qs.)	= 50 Marks
2. Record Work & Viva-Voce.	(15+10)	= 25 Marks
3. Field survey & Viva-Voce. (Four hrs)	(15+10)	= 25 Marks
Total-		= 100Marks
Internal-	(Record Work-15+ Field survey -15)	30Marks
External-	(Written Test-50+Viva –Voce-20)	70Marks

 Measures of central tendency and dispersion: mean, median, mode quartiles, standard deviation.

Elements of map reading. History of topographical map in India, Scheme of topographical mapping in India as per National Map Policy,2005. Conventional symbols and interpretation of physical and cultural features on topographical maps.

Prismatic compass survey: equipment, methods of measurement of bearings, correction of bearings, record of survey closing error and its corrections.

Essential Readings :

Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
 Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
 Sharma, S.R. : Practical Geography, College Book depot, Jaipur
 Crampton, J. : Mapping, Black well, Publications
 Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
 Mounck House, F.G.
 & Wilkinson, H.R. : Map & Diagram, B.I. Publications Pvt. Ltd., New Delhi.

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B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
V SEMESTER

Subject Code : HHG505 : World Regional Geography- I

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

Asia : Terrain Pattern, Drainage, Climate, Natural Vegetation, Soils, Population and Economic Base of the Continent in General. Regional Study of South-East and South West Asia.

Section-B

Europe: Terrain Pattern, Drainage, Climate, Natural Vegetation, Soils, Population and Economic Base of the Continent In General; Regionl Study of British Isles, France and Germany.

Essential Readings :

- Cole, J., 1996, A Geography of the World's Majr Regions, London.
Deblj, H.J. 1994, Geography : Regions and Concepts, John Wiley, New York.
Dickenson, J.P. et al, 1996. The Geography of the Third World, Routledge, London.
Gourou, P., 1980, The Tropical World, Longman, London.
Jackson, R.H. and Hudman, L.E. 1991, World Regional Geography:Issues for Today, John Wiley, New York.
Kold, A., 1977. East Asia- Geography of a Cultural Region, Mathuen, London.
Minshull, G.N., 1984 Western Europe, Hoddard & Stoughton, New York.
Patterson J.H., 1985. Geography of Canada and the United States, Oxford University Press.
Songquiao, Z., 1994. Geography of China, John Wiley, New York.
Ward, P.W and Miller, A. 1989. World Regional Geography: A Question of Place, JohnWiley, New York.

B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
V SEMESTER

Subject Code : HHG506: Geography of India- I

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

India in the context of Southeast and South Asia. a land diversities, unity with in diversities. Major terrain elements of India and their role in shaping physical Land-scope of India. Drainage systems of India and their functional significance. The morphological regions of India.

Section-B

Spatial distribution of population and density; socio-economic implication of population explosion, changing nature of Indian economy. Agricultural growth during the plan period.Green Revolution vis-a vis traditional farming.

Section-C

Basis of regional divisions of India-macro,meso and micro-regions of India-their comparative analysis.Resource regions of India. Regional planning of rural and urban regions.

Essential Readings :

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Chauhan, V.S. : Bharat Vistrit Bhugol, Rastogi & Co., Meerut, 1985

Chaudhuri, M.R. : An Economic Geography of India, Oxford And IBH, Calcutta

Das, gupta and Kapur : Bharat va Pakistan ka Arthikva Vanijya Bhugol, Premier Publishing,Delhi

Dubey, R.N. : Bharat ka Arthik Bhugol, Kitab Mahal,Allahabad

Jain, P ; Bharat Mahan, Agra book store, Agra

Mamoria, C.B. : Bharat ka Bhugol, Sahitya Bhawan, Agra, 1988

B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
V SEMESTER
Subject Code : HHG507: Practical Geography

1. Written Test	Four hrs (5Qs.)	= 50 Marks
2. Record Work & Viva-Voce.	(30+20)	= 50Marks
Total-		= 100Marks
Internal-	(Record Work-15+ Field survey -15)	30Marks
External-	(Written Test-50+Viva –Voce-20)	70Marks

Map Projection: Definition, Classification, Identification and suitability of map projection according to objectives. Theoretical Knowledge of Remote Sensing techniques. Construction(graphical). Properties and uses of the projections.

Cylindrical: Simple, Equal area, Mercator's Gall's.

Conical: One standard Parallel, Two standard Parallels, Bonne's Polyconic.

Zenithal: Gnomonic, Stereographic, Orthographic, Equidistant, Equal area (Polar cases only).

Essential Readings :

Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
 Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad
 Sharma, S.R. : Practical Geography, College Book depot, Jaipur
 Crampton, J. : Mapping, Black well, Publications
 Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
 Mounck House, F.G.
 & Wilkinson, H.R. : Map & Diagram, B.I. Publications Pvt. Ltd., New Delhi.

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B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)

VI SEMESTER

Subject Code : HHG605 : World Regional Geography-II

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

North and South America: Terrain Pattern, Drainage, Climate, Natral Vegetation, Soils, Population and Economic Base of the Continent In General; Regional Study of New England and Brazil.

Section-B

Australia and New Zealand: Terrain Pattern, Drainage, Climate, Natural Vegetation, Soils, Population and Economic Base of Australia and New Zealand in General.

Essential Readings :

- Cole, J., 1996, A Geography of the World's Majr Regions, London.
Deblj, H.J. 1994, Geography : Regions and Concepts, John Wiley, New York.
Dickenson, J.P. et al, 1996. The Geography of the Third World, Routledge, London.
Gourou, P., 1980, The Tropical World, Longman, London.
Jackson, R.H. and Hudman, L.E. 1991, World Regional Geography:Issues for Today, John Wiley, New York.
Kold, A., 1977. East Asia- Geography of a Cultural Region, Mathuen, London.
Minshull, G.N., 1984 Western Europe, Hoddard & Stoughton, New York.
Patterson J.H., 1985. Geography of Canada and the United States, Oxford University Press.
Songquiao, Z., 1994. Geography of China, John Wiley, New York.
Ward, P.W and Miller, A. 1989. World Regional Geography: A Question of Place, JohnWiley, New York.

B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
VI SEMESTER

Subject Code : HHG606: Geography of India- II

Total marks of End of Semester (7Question x10Marks each)	= 70 Marks
C.I.A. (Internal Assessment)	= 30 Marks
Maximum Marks	= 100 Marks
Minimum Marks	= 40 Marks

Section-A

Regional and Seasonal variations of climate the monsoon, western disturbance, norwesters. Climatic regions of India. Soil types of India the distribution and characteristics. Vegetation types and their distribution.

Section-B

Regionalisation of Indian agriculture and topology of agricultural regions and their relevance in agricultural development planning.

Industrial development and Indian economy- Industrial regions of India and their industrial structure, composition of domestic and international trade.

Section-C

Contemporary issues regional disparity, poverty, population explosion, globalization. Impact of development on Environment social and ethnic tension, gender discrimination and empowerment of women.

Essential Readings :

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Chauhan, V.S. : Bharat Vistrit Bhugol, Rastogi & Co., Meerut, 1985

Chaudhuri, M.R. : An Economic Geography of India, Oxford And IBH, Calcutta

Das, gupta and Kapur : Bharat va Pakistan ka Arthikva Vanijya Bhugol, Premier Publishing, Delhi

Dubey, R.N. : Bharat ka Arthik Bhugol, Kitab Mahal, Allahabad

Jain, P ; Bharat Mahan, Agra book store, Agra

Mamoria, C.B. : Bharat ka Bhugol, Sahitya Bhawan, Agra, 1988

B.A. / B.SC. GEOGRAPHY
Three year Semester Scheme outline (2019-22)
IV SEMESTER

Subject Code : HHG607 : Practical Geography

1. Written Test	Four hrs (5Qs.)	= 50 Marks
2. Record Work & Viva-Voce.	(15+10)	= 25 Marks
3. Field survey & Viva-Voce. (Four hrs)	(15+10)	= 25 Marks
Total-		= 100Marks
Internal-	(Record Work-15+ Field survey -15)	30Marks
External-	(Written Test-50+Viva –Voce-20)	70Marks

Three diamentional Diagrams: Block piling Spheres, and Still-Gen-Bauer and Stand-de-Geer methods.

Plane Table Survey: Radiation and intersection Resection: various instruments and their uses. Merits and demerits of plane table survey.

Indian pattern clinometers: Its parts and use finding out of heights in the field.

Essential Readings :

Essential Readings :

Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut

Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Allahabad

Sharma, S.R. : Practical Geography, College Book depot, Jaipur

Crampton, J. : Mapping, Black well, Publications

Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
Mounck House, F.G.

& Wilkinson, H.R. : Map & Diagram, B.I. Publications Pvt. Ltd., New Delhi.

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