



Date: July 15, 2020

**Scheme of Examination for Bachelor of Arts with Geography (Pass Course)**  
**Choice Based Credit System (CBCS)**  
(w.e.f. 2020-21)

Semester	Paper Code		Subject	Type of Course	Contact Hours per Week				Credit				Examination Scheme			Total
					T	P	Tut.	Total	T	P	Tut.	Total	T	IA	P	
Semester-I	20 UGEO 101	Theory	Geography of India	CC	4		-	8	4		-	6	60	15		100
		Practical	Basic Cartography (Practical)			4				2					25	
Semester-II	20 UGEO 201	Theory	Economic Geography	CC	4		-	8	4		-	6	60	15		100
		Practical	Statistical Techniques & Representations of Socio-economic Data			4				2					25	
Semester-III	20 UGEO 301	Theory	Physical Geography	CC	4		-	8	4		-	6	60	15		100
		Practical	Topographical Sheets & Map Projections			4				2					25	
Semester-IV	20 UGEO 401	Theory	Human Geography	CC	4		-	8	4		-	6	60	15		100
		Practical	Chain and Tape, Plane Table & Prismatic Compass Survey			4				2					25	



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Semester-V	20 UGEO 501	Discipline Specific Elective Course (Theory)	Geomorphology	DSEC	4		-	8	4		-	6	60	15		100
	20 UGEO 502		Environmental Geography													
	20 UGEO 503		Population Geography													
	20 UGEO 504		Regional Geography of Asia													
	Practical		Remote Sensing & GIS	CC		4			2						25	
Semester-VI	20 UGEO 601	Discipline Specific Elective Course (Theory)	Climatology	DSEC	4		-	8	4		-	6	60	15		100
	20 UGEO 602		Agricultural Geography													
	20 UGEO 603		Urban Geography													
	20 UGEO 604		Geography of Haryana													
	Practical		Field Survey	CC		4			2						25	
	Total				24	24	-	48	24	12	-	36	360	90	150	600



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20 UGEO 701 OEC	Open Elective Course	General Geography of India	OEC	5	-	1	6	5	-	1	6	80	20	0	100
20 UGEO 702 OEC	Open Elective Course	Introduction to Geography	OEC	5	-	1	6	5	-	1	6	80	20	0	100

T: Theory

P: Practical

Tut. Tutorial

IA: Internal Assessment

CC: Core Course

DSEC: Discipline Specific Elective Course

OEC: Open Elective Course

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# Syllabi for Under-Graduate Geography: Pass Course SEMESTER I to VI (w.e.f. 2020-21)





**B.A. Geography (Pass Course)**  
**Semester I**

Name of Paper: **Geography of India**  
Paper Code: **20 UGEO 101**

Maximum Marks: 75  
Theory Examination: 60  
Internal Assessment: 15  
Max. Time: 3 hrs.

**Objective:** *The basic aim of the course is to provide comprehensive understanding of the geographical profile of India and establishing linkages with systematic and regional geography. Along with this course also provides understanding about geographical attributes in determining social and economic structure of the country.*

**Note:** There shall be nine questions in all. Question no. 1 shall be compulsory, consisting of six short answer type questions covering the entire syllabus. Two questions will be asked from each unit. Students will have to attempt one question from each unit. All question shall carry equal marks.

**Unit I**

Geographical Location, Physiography, Structure and Drainage Systems; Climate, Soils and Natural Vegetation.

**Unit II**

Population: Size, Growth, Distribution, Density & Composition; Migration: Types and Recent Trends.

**Unit III**

Indian Agriculture: Characteristics, Green Revolution and Problems of Indian Agriculture; Energy Resources: Coal, Petroleum, Hydroelectricity and Nuclear Energy.

**Unit IV**

Mineral & Industries: Iron Ore, Manganese, Iron and Steel, Cotton Textile, and Sugar Industries; Transportation Modes: Roads and Rail.

**Suggested Readings (English)**

1. Johnson, B. L. C. ed. (2001). *Geographical dictionary of India*. New Delhi: Vision Books.
2. Pathak, C. R. (2003). *Spatial structure and processes of development in India*. Kolkata: Regional Science Assoc.
3. Ranjit, T. (2002). *Geography of India*. Jaipur: Rawat Publications.
4. Singh, R. L. (1971). *India: A regional geography*. Varanasi: National Geographical Society of India.
5. Singh, J. (2003). *India - A comprehensive & systematic geography*. Gorakhpur: Gyanodaya Prakashan.





**Suggested Readings (Hindi)**

1. गौतम, ए. (2018). विश्व का प्रादेशिक भूगोल. इलाहाबाद: शारदा पुस्तक भवन.
2. मामोरिया, सी. (2016). एशिया का भूगोल. आगरा: एस.बी.पी.डी. पब्लिशिंग हाउस.
3. मामोरिया, सी. (2019). विश्व का प्रादेशिक भूगोल. आगरा: साहित्य भवन प्रकाशन.
4. मामोरिया, सी., और अग्रवाल, के. एम. एल. (2018). एशिया का भूगोल. आगरा: साहित्य भवन प्रकाशन.
5. हुसैन, एम. (2010). विश्व भूगोल. जयपुर: रावत प्रकाशन.





**B.A. Geography (Pass Course)**

**Semester V**

Name of Paper: **Remote Sensing & GIS (Practical)**

Maximum Marks: 25

Exercises: 15

Record Book: 05

Viva-Voce: 05

Max. Time: 3 hrs.

**Objective:** *Main objective of this course is to enrich the students with basic understanding of aerial photographs and satellite imagery. It also aims to provide hands on training on GIS software and map making and application of GPS & TS in mapping.*

**Note:** There shall be four questions, two from each unit; students will have to attempt two questions selecting one question from each unit. All question shall carry equal marks.

**Unit I**

Remote Sensing: Working Principles

Basic Characteristics and Interpretation of Aerial Photographs

Identification and Interpretation of various features on Satellite Images

**Unit II**

GIS: Georeferencing, Digitization, Layout map, Map making and Choropleth Maps

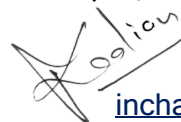
Mapping with GPS (Global Positioning System) and Total Station (TS).

**Suggested Readings (English)**

1. Bhatta, B. (2011). *Remote sensing and GIS* (2<sup>nd</sup> ed.). New Delhi: Oxford.
2. John, R. J. (2009). *Remote sensing of the environment: An earth resource perspective*. New Delhi: Pearson Education, (India Edition).
3. Lillesand, & Kiefer, R. W. (1994). *Remote sensing and image interpretation*. New Jersey US: John Wiley and Sons.
4. Longley, P. A., Goodchild, M., Maguire, D. J., & Rhind, D. W. (2010). *Geographic information systems & science*. New Jersey US: Wiley.
5. Vyas, P. R. (ed.) (2015). *Remote sensing and geographical information systems: Basics and applications*. Jaipur: Rawat Publications.

**Suggested Readings (Hindi)**

1. कार्लेकर, एस. (2006). *दूर संवेदन*. पुणे: डायमंड प्रकाशन.
2. चौनियाल, डी. डी. (2011). *सुदूर संवेदन एवं भौगोलिक सूचना तंत्र*. इलाहाबाद: शारदा पुस्तक भवन.





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3. तिवारी, एन. के. (2004). भौगोलिक सूचना प्रणाली. दिल्ली: बी. पी. बी. पुस्तकें.
4. नाग, पी., चंद्रशेखर, और देवनाथ, जी. सी. (2016). भौगोलिक सूचना विज्ञान. वाराणसी: भारती प्रकाशन.
5. मिश्रा, आर. एन., और शर्मा, पी. के. (2019). प्रायोगिक भूगोल. जयपुर: रावत प्रकाशन.





**B.A. Geography (Pass Course)  
Semester VI**

Name of Paper: **Climatology**  
Paper Code: **20 UGEO 601**

Maximum Marks: 75  
Theory Examination: 60  
Internal Assessment: 15  
Max. Time: 3 hrs.

**Objective:** To provide comprehensive understanding of weather, climate, atmosphere structure, its evolution, global circulation of winds and associated climatic phenomena, climatic classification, dynamics of global climates and climate change.

**Note:** There shall be nine questions in all. Question no. 1 shall be compulsory, consisting of six short answer type questions covering the entire syllabus. Two questions will be asked from each unit. Students will have to attempt one question from each unit. All question shall carry equal marks.

**Unit I**

Climatology: Nature and Scope; Climate and Weather; Elements of Climate; Factors Affecting Climate; Composition and Structure of Atmosphere; Atmospheric Temperature: Vertical and Horizontal Distribution.

**Unit II**

Atmospheric Pressure and Wind Distribution; Atmospheric Moisture: Humidity, Evaporation and Forms of Condensation; Types of Precipitation; World Patterns of Rainfall.

**Unit III**

Air masses: Concepts and Classification; Atmospheric Disturbances; Tropical and Temperate Cyclones and Anticyclones.

**Unit IV**

Climatic Regions; Classification of Koppen and Thornthwaite; Climate Changes and Global Warming: Evidences, Causes, Consequences and Measure of its Control.

**Suggested Readings (English)**

1. Chorley, R. J. (2001). *Atmosphere, weather and Climate*. London: Methuen.
2. Critchfield, H. J. (2002). *General Climatology*. New Delhi: Prentice Hall of India.
3. Lal, D. S. (1986). *Climatology*. Allahabad: Chaitanya Publications.
4. Siddhartha, K. (2018). *Climatology: Atmosphere, weather, climate*. New Delhi: Kitab Mahal.
5. Singh, S. (2013). *Climatology*. Allahabad: Prayag Pustak Bhawan.
6. Trewartha, G. T. (1954). *An introduction to climate*. New York: McGraw Hill.





**Suggested Readings (Hindi)**

1. गर्ग, एच. एस. (2020). जलवायु विज्ञान एवं समुद्र विज्ञान. आगरा: एस.बी.पी.डी. पब्लिशिंग हाउस.
2. गौतम, ए. (2010). जलवायु एवं समुद्र विज्ञान. मेरठ: रस्तोगी प्रकाशन.
3. लाल, डी. एस. (2012). जलवायु एवं समुद्र विज्ञान. इलाहाबाद: शारदा पुस्तक भवन.
4. सिंह, एम. बी. (1998). जलवायु एवं समुद्र विज्ञान. वाराणसी: तारा बुक एजेंसी.
5. सिंह, एस. (2006). जलवायु विज्ञान. इलाहाबाद: प्रयाग पुस्तक भवन.





**B.A. Geography (Pass Course)  
Semester VI**

Name of Paper: **Agricultural Geography**  
Paper Code: **20 UGEO 602**

Maximum Marks: 75  
Theory Examination: 60  
Internal Assessment: 15  
Max. Time: 3 hrs.

**Objective:** To provide basic understanding with the concept, origin, and development of agriculture; to examine the role of agricultural determinants towards changing cropping patterns, intensity, productivity, diversification and specialization with special reference to India.

**Note:** There shall be nine questions in all. Question no. 1 shall be compulsory, consisting of six short answer type questions covering the entire syllabus. Two questions will be asked from each unit. Students will have to attempt one question from each unit. All question shall carry equal marks.

**Unit I**

Agricultural Geography: Definition, Nature, Scope and Significance; Approaches: Commodity, Systematic, and Regional; Origin and Dispersal of Agriculture; Determinants of Agricultural Patterns: physical, economic and cultural factors.

**Unit II**

Agricultural Land Use and Cropping Pattern, Intensity of Cropping; Degree of Commercialization; Diversification; Agricultural Efficiency and Productivity; Crop Combination and Concentration; Von Thunen Model of Agricultural Land Use; Land use survey and classification.

**Unit III**

Agricultural Regionalization: Concept and Criteria; Whittlesey's Agricultural Systems; Agro-climatic zonation: Concept and Agro-climatic Regions of India.

**Unit IV**

Agricultural Regions of India; Regional Imbalances in Agricultural Productivity in India; Green Revolution: Its Impact and Consequences in India; Food Security: Concepts, components and Food Security in India with special reference to National Food Security Act.

**Suggested Readings (English)**

1. Bowler, T. R. (1992). *The geography of agriculture in developed market economics*. Harlow: Longman.
2. Geoffrey, H. F. (1970). *Geography of agriculture: Themes in research*. New Jersey: Prentice Hall.
3. Grigg, D. (1995). *Introduction to agricultural geography*. London: Routledge.
4. Husain, M. (1996). *Systematic agricultural geography*. Jaipur: Rawat Publications.
5. Morgon, W. B., & Munton, R. J. C. (1971). *Agricultural geography*. London: Methuen.
6. Shafi, M. (2006). *Agricultural geography*. New Delhi: Pearson Education.



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7. Singh, J., & Dhillon, S. S. (1994). *Agricultural geography*. New Delhi: Tata Mc Graw Hill.
8. Tarrant, J. R. (1974). *Agricultural geography*. New York: Wiley.

### Suggested Readings (Hindi)

1. अग्रवाल, एस. (2012). *कृषि भूगोल*. मेरठ: ए. बी. डी. प्रकाशन.
2. कुमार, पी., और शर्मा, एस. (2016). *कृषि भूगोल*. भोपाल: एम. पी. हिंदी ग्रंथ अकादमी.
3. तिवारी, आर. सी., और सिंह, बी. एन. (2016). *कृषि भूगोल*. इलाहाबाद: प्रवालिका प्रकाशन.
4. मामोरिया, सी., और सिंह, के. (2019). *कृषि भूगोल*. आगरा: एस. बी. पी. डी. प्रकाशन.
5. हुसैन, एम. (2000). *कृषि भूगोल*. जयपुर: रावत प्रकाशन.





**B.A. Geography (Pass Course)  
Semester VI**

Name of Paper: **Urban Geography**  
Paper Code: **20 UGEO 603**

Maximum Marks: 75  
Theory Examination: 60  
Internal Assessment: 15  
Max. Time: 3 hrs.

**Objective:** To provide basic understanding of urbanization, growth, urban settlements and contemporary issues related to urban areas with special reference to India.

**Note:** There shall be nine questions in all. Question no. 1 shall be compulsory, consisting of six short answer type questions covering the entire syllabus. Two questions will be asked from each unit. Students will have to attempt one question from each unit. All question shall carry equal marks.

**Unit I**

Urban geography: Definition, Nature, Scope and Approaches; Origin and Evolution of Towns, Factors Affecting the Urban Growth; Urban System in India; Pattern of Urbanization in India.

**Unit II**

Urban Morphology; Models of City Structure: Concentric Zone Theory, Sector Theory and Multiple Nuclei Theory.

**Unit III**

Functional Classification of Cities; Rural Urban Fringe: Characteristics and its Development; Central Place Theory of Christaller and Losch; Size and Spacing of Cities.

**Unit IV**

Urban Issues: Problems of Housing and Slums; Case studies of Delhi and Chandigarh with reference to Urban Landuse and Urban Issues; Urban Planning in India, National Urban Plans & Policies.

**Suggested Readings (English)**

1. Hall, T. (2006). *Urban geography*. London: Taylor and Francis.
2. Kaplan, D. H., Wheeler, J. O., & Holloway, S. R. (2008). *Urban geography*. New Jersey US: John Wiley.
3. Knox, P. L., & McCarthy, L. (2005). *Urbanization: An introduction to urban geography*. New York: Pearson Prentice Hall.
4. Knox, P. L., & Pinch, S. (2006). *Urban social geography: An introduction*. New Jersey: Prentice Hall.
5. Pacione, M. (2009). *Urban geography: A global perspective*. London: Taylor and Francis.
6. Ramachandran, R. (1989). *Urbanization and urban systems of India*. New Delhi: Oxford University Press.
7. Ramachandran, R. (1992). *The study of urbanization*. New Delhi: Oxford University Press.





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8. Singh, R. B. (ed.). (2001). *Urban sustainability in the context of global change*. Enfield (NH) USA: Science Publication Inc., & New Delhi: Oxford & IBH Pub.
9. Singh, R. B. (ed.). (2015). *Urban development, challenges, risks and resilience in Asian megacities*. Advances in Geographical and Environmental Studies. New Delhi: Springer.

### Suggested Readings (Hindi)

1. गर्ग, एच. एस. (2015). *नगरीय भूगोल*. आगरा: एस. बी. पी. डी. प्रकाशन.
2. बंसल, एस. सी. (2017). *नगरीय भूगोल*. (तीसरा संस्करण) हैदराबाद: मीनाक्षी प्रकाशन.
3. मामोरिया, सी., और सिंह, के. (2018). *नगरीय भूगोल*. आगरा: एस. बी. पी. डी. प्रकाशन.
4. यादव, सी. (2012). *नगरीय भूगोल*. दिल्ली: राज प्रकाशन.
5. सिंह, आर. एन., और मौर्य, एस. डी. (2017). *नगरीय भूगोल*. इलाहाबाद: शारदा प्रकाशन.



**B.A. Geography (Pass Course)  
Semester VI**

Name of Paper: **Geography of Haryana**  
Paper Code: **20 UGEO 604**

Maximum Marks: 75  
Theory Examination: 60  
Internal Assessment: 15  
Max. Time: 03 hrs.

**Objective:** To introduce the students with glorious past of the state, its physiography, climate, people, society, resource base and economic structure.

**Note:** There shall be nine questions in all. Question no. 1 shall be compulsory, consisting of eight short answer type questions covering the entire syllabus. Two questions will be asked from each unit. Student will have to attempt one question from each unit. All question shall carry equal marks.

**Unit I**

Haryana: Physiographic: Relief Characteristics and Physiographical Divisions; Drainage Systems and their Significance; Climatic Regions of State; Soil and Vegetation: Characteristics and Conservation.

**Unit II**

Population: Growth & Distribution; Demographic Attributes: Sex-ratio, Literacy Rate and Workforce Participation; Population Problems and Policies; Human Resources: Potential and Prospects, Contemporary Issues Related to Gender Ratio and Women Empowerment.

**Unit III**

Agriculture: Agro-climatic Region, Traditional Agriculture System, Cropping Pattern, Green Revolution and Agricultural Development in Haryana and Problems Related to Agriculture. Irrigation: Types of Irrigation, Major Irrigation Projects: A case Study of Bhakra Nangal.

**Unit IV**

Trend and Pattern of Urbanisation, Contemporary Issues and Challenges in Urban Areas, Distribution of Natural and Human Resources, Transport System and Growth, Manufacturing and Service Hubs, Knowledge Economy. Any Case Study of Automobile and Information and Technology Hub.

**Suggested Readings (English)**

1. Buddha, P. (1962). *Haryana through the ages*. Kurukshetra: Kurukshetra University.
2. Census of India. (2011). *District census handbook of Haryana*. New Delhi: Census of India.
3. Phadke, H. A. (1990). *Haryana: Ancient and medieval*. New Delhi: Harman Publication House.
4. Phogat, S. R. (1978). *Inscriptions of Haryana*. Kurukshetra: Kurukshetra University.
5. Singh, F. (ed.) (1997-2000). *History of the Punjab* (1<sup>st</sup> to 3<sup>rd</sup> vol.). Patiala: Publication Bureau, Punjabi University.





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6. Yadav, K. C. (1994). *Modern Haryana: History & culture* (2<sup>nd</sup> ed.) Part 1 & 2. New Delhi: Manohar Publisher.
7. Valdiya. K. S. (2002). *Sarasvati: The River that disappeared*. Hyderabad: Universities Press (India) Limited.
8. Haryana Sarasvati Heritage Development Board (<http://merisarasvati.com>) ([www.hshdb.in](http://www.hshdb.in))
9. Economic & Statistical Handbook of Govt. of Haryana (<http://esaharyana.gov.in>)

### Suggested Readings (Hindi)

1. गोयल, जे. बी. (सं.). (1966). *हरियाणा - पुरातन इतिहास, संस्कृति, साहित्य एवं लोकवार्ता*. दिल्ली.



**B.A. Geography (Pass Course)  
Semester VI**

Name of Paper: **Field Survey (Practical)**

Maximum Marks: 25  
Exercises: 15  
Record Book: 05  
Viva-Voce: 05  
Max. Time: 3 hrs.

**Objective:** To provide the basic understanding about the identification of research problem, planning for survey, conduct of Physical and Socio-economic Survey and report writing.

**Note:** There shall be four questions, two from each unit; students will have to attempt two questions selecting one question from each unit. All question shall carry equal marks.

**Unit I**

**Physical Survey:**

- Identify the prominent landform and earth surface process of the surveyed area.
- Demarcate the landform features of the selected area on a topographical sheet.
- Identify the various soil types and their characteristics.
- Classify the Flora & Fauna of the area.
- Identify the relationship of various landforms, flora and fauna with land-use, settlement structure and life style of people.

Based on all observations of the above characteristics, prepare a field survey report. The report need to be supplemented with maps, sketches, photographs etc.

**Unit II**

**Socio-economic Survey:**

- Conduct a socio-economic survey of the households with a structured questionnaire/ schedule.
- Supplement the information by personal observations and input from stakeholder.
- Based on results of the household survey, prepare a field report of socio-economic survey.

Based on all observations of the above characteristics, prepare a field survey report. The report need to be supplemented with maps, sketches, photographs etc.

**Suggested Readings (English)**

1. Davis, R. E., & Foote, F. S. (1953). *Surveying* (4<sup>th</sup> ed.). New York: McGraw Hill Publication.
2. Khan, Z. A. (1998). *Textbook of practical geography*. Concept Publishing Co.
3. Machumu, H. (2011). *Understanding Practical Geography: Map Work - Surveying - Field Work - Research*. Verlag: Grin Publishing.



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4. Sarkar, A. (2015). *A practical geography*. (3<sup>rd</sup> ed.). New Delhi: Orient Blackswan Private Limited.
5. Singh, R. L. (1979). *Elements of practical geography*. New Delhi: Kalyani Publishers.
6. Venkatramaiah, C. (1997). *A textbook of surveying*. Hyderabad: Universities Press.

#### Suggested Readings (Hindi)

1. चंद्राकर, पी. (2018). *प्रायोगिक भूगोल*. बिलासपुर: संकल्प प्रकाशन.
2. मिश्रा, आर. एन., और शर्मा, पी. के. (2019). *प्रायोगिक भूगोल*. जयपुर: रावत प्रकाशन.
3. शर्मा, जे. पी. (2008). *प्रायोगिक भूगोल*. नई दिल्ली: रस्तोगी पब्लिकेशन.
4. सिसोदिया, एम. एस. (2019). *प्रायोगिक भूगोल*. भोपाल: कैलाश पुस्तक सदन.
5. सिंह, आर. एल., और सिंह, आर. पी. बी. (1993). *प्रायोगिक भूगोल के तत्व*. लुधियाना और नई दिल्ली: कल्याणी पब्लिशर्स.



**B.A. Geography**  
**Open Elective**

Name of Paper: **General Geography of India**  
Paper Code: **20 UGEO 701 OEC**

Maximum Marks: 100  
Theory Examination: 80  
Internal Assessment: 20  
Max. Time: 03 hrs.

**Objective:** The basic aim of the course is to provide comprehensive understanding of the geographical profile of India and establishing linkages with systematic and regional geography. Along with this course also provides understanding about geographical attributes in determining social and economic structure of the country.

**Note:** There shall be nine questions in all. Question no. 1 shall be compulsory, consisting of six short answer type questions covering the entire syllabus. Two questions will be asked from each unit. Students will have to attempt one question from each unit. Each question shall carry equal marks.

**Unit I**

Geographical Location, Physiography, Structure and Drainage Systems; Climate, Soils and Natural Vegetation.

**Unit II**

Population: Size and Growth, Distribution, Density & Composition; Migration: Types and Recent Trends.

**Unit III**

Green Revolution and Problems of Indian Agriculture; Energy resources: Coal, Petroleum, Hydroelectricity and Nuclear Energy.

**Unit IV**

Mineral & Industries: Iron Ore, Manganese, Iron and Steel, Cotton Textile and Sugar Industries; Transportation Modes: Roads and Rail.

**Suggested Readings (English)**

1. Deshpande, C. D. (1992). *India: A regional interpretation*. New Delhi: Northern Book Depot.
2. Husain, M. (1992). *Geography of India*. New Delhi: Tata McGraw Hill Education.
3. Shafi, M. (2000). *Geography of South Asia*. Calcutta: McMillan and Company.
4. Singh, G. (2006). *Geography of India*. New Delhi: Atma Ram and Sons.
5. Singh, R. L. (ed). (1971). *India: A regional geography*. Varanasi: National Geographical Society, India.
6. Singh, S., & Saroha, J. (2014). *Geography of India*. New Delhi: Access Publishing India Pvt. Ltd.



**Suggested Readings (Hindi)**

1. खुल्लर, डी. आर. (2017). *भारत का भूगोल*. नई दिल्ली: टाटा मैकग्रा हिल एजुकेशन.
2. बंसल, एस. सी. (2015). *भारत का वृहत भूगोल*. हैदराबाद: मीनाक्षी प्रकाशन.
3. मामोरिया, सी. (2018). *भारत का वृहत भूगोल*. आगरा: साहित्य भवन.
4. सिंह, जी. (2007). *भारत का भूगोल*. नई दिल्ली: आत्म राम एंड संस.
5. हुसैन, एम. (2017). *भारत का भूगोल*. नई दिल्ली: टाटा मैकग्रा हिल एजुकेशन.





**B.A. Geography**  
**Open Elective**

Name of Paper: **Introduction to Geography**  
Paper Code: **20 UGEO 702 OEC**

Maximum Marks: 100  
Theory Examination: 80  
Internal Assessment: 20  
Max. Time: 3 hrs.

**Objective:** *To provide the basic understanding about the basic concepts of geography and their contemporary importance.*

**Note:** There shall be nine questions in all. Question no. 1 shall be compulsory, consisting of eight short answer type questions covering the entire syllabus. Two questions will be asked from each unit. Student will have to attempt one question from each unit. Each question shall carry equal marks.

**Unit I**

Introduction to Geography; Concept of Location and Time; Structure of the Earth; Types and Characteristics of Rocks, Relief Features.

**Unit II**

Weather and Climate Change: Introduction; Distribution of Temperature, Global Circulation of Winds; Greenhouse Effect and Global Warming

**Unit III**

Concepts of Natural Resources: Management and Development; Environment & Ecosystems: Concept & Components; Man-environment Relationship.

**Unit IV**

Population: Distribution and Density; Migration Types and Pattern; Problems of Population Growth.

**Suggested Readings (English)**

1. Dikshit, R. D. (1994). *The art and science of geography: Integrated readings*. New Delhi: Prentice-Hall of India Pvt Ltd.
2. Dikshit, R. D. (1997). *Geographical thought: A contextual history of ideas*. New Delhi: Prentice-Hall of India Pvt Ltd.
3. Hartshorne, R. (1959). *Perspective on nature of geography*. Chicago: Rand McNally.
4. Hartshorne, R. (1976). *The nature of geography*. Lancaster.
5. Holt, J. (1980). *A geography: Its history and concepts*. Longmans.
6. Husain, M. (1990). *Evolution of geographical thought* (2<sup>nd</sup> ed.). Jaipur: Rawat Publications.



Date: July 15, 2020

7. James, P. (1972). *All possible worlds: A history of geographical ideas*. Indianapolis: Odessey Press.
8. Minshull, R. (1970). *The changing nature of geography*. London: Hutchinson.

### Suggested Readings (Hindi)

1. कौशिक, एस. डी. (2007). *परिचयात्मक भूगोल*. मेरठ: रस्तोगी प्रकाशन.
2. जाट, बी. सी. (2019). *भौतिक भूगोल (तीसरा संस्करण)*. जयपुर: रावत प्रकाशन.
3. दीक्षित, एस. के. (2001). *भौगोलिक चिन्तन का उद्भव एवं विकास*. वाराणसी: विश्वविद्यालय प्रकाशन.
4. मौर्य, एस. डी. (2010). *भौगोलिक चिन्तन का इतिहास*. इलाहाबाद: प्रयाग पुस्तक भवन.
5. सिंह एस. (2000). *भौतिक भूगोल*. इलाहाबाद: प्रयाग पुस्तक भवन.
6. हुसैन, एम. (1990). *भौगोलिक चिन्तन का इतिहास*. जयपुर: रावत प्रकाशन.
7. हुसैन, एम. (2012). *मानव भूगोल*. जयपुर: रावत प्रकाशन.

