



## SMRJ Government College, Siwani (Bhiwani)



(Affiliated to Chaudhary Bansi Lal University, Bhiwani)

**Session: 2024-25**

### *Lesson Plan*

#### *(Department of Geography)*

**Teacher:** Sh. Suresh Lamba  
**Class:** B. A. Hons 2<sup>nd</sup> Year  
**Semester:** 2<sup>nd</sup>  
**Maximum Marks:** 70  
**End Term Exam Marks:** 50

**Course Title:** CC-2, Cartographic Techniques in Geography (Theory)  
**Course Code:** 24UN-GEO- 202  
**Credits:** 3  
**Internal Assessment Marks:** 20

#### **Course Outcomes:**

After completing this course, the learner will be able to:

1. understand and differentiate types of map scales.
2. become aware about the applications of map scales.
3. gains the basic understanding of map making and will be able to prepare different kinds of thematic maps.
4. apprehend the knowledge about surveying and survey tools.

Sr. No.	Week/Month, 2025	Unit/ Topic/ Chapter to be covered	Assignment/Test/ Remarks, if any
1	27 Jan. to 01 Feb.	Familiar with Syllabus	
2	03 Feb. to 08 Feb.	Nature and scope of cartography	
3	10 Feb. to 15 Feb.	Historical and recent development.	
4	17 Feb. to 22 Feb.	Drawing instruments: properties and characteristics;	
5	24 Feb. to 01 March	Drawing instruments: drawing techniques.	
6	03 March to 08 March	Scale: types, significance and applications.	
7	17 March to 22 March	Maps: classification, characteristics, significance and limitations.	Assignment
8	24 March to 29 March	Basic concepts of surveying and survey equipment's,	
9	31 March to 05 April	Coordinate system and map: magnetic and true north, polar and rectangular.	
10	07 April to 12 April	Techniques of map enlargement and reduction;	
11	14 April to 19 April	Map producing agencies in India (GSI, SOI, FSI, NATMO, NBBSLUP, NRSC, AISSLUP and IMD).	
12	21 April to 26 April	Methods and representation of climatic data.	Test
13	28 April to 30 April	Methods and representation of socio-economic data.	

**Recommended Books/ E resources/ LMS:**

1. Dent, B.D. (1999) Cartography: Thematic Map Design, (Vol. 1), McGraw Hill.
2. Gupta, K.K. and Tyagi, V.C (1992) Working with Maps, Survey of India, DST, New Delhi.
3. Monkhouse, F.J and Wilkinson, H.R (1971) Maps and Diagrams. Methuen and Co. Ltd., London
4. Ramamurthy, K (1982) Map Interpretation, Rex Printers, Madras.
5. Robinson A (1953) Elements of Cartography, John Wiley.
6. Siddhartha, K (2006) Geography through maps, Kisalaya Publications Pvt. Ltd, Delhi
7. Singh, G (2005) Map work and practical geography. Vikas Publishing House Pvt. Ltd., New Delhi
8. Singh, L.R and Singh, R (1973) Map work and practical geography, Central Book Allahabad
9. Singh, R.L (2005) Elements of Practical Geography. Kalyani Publishers, New Delhi. India.

**Signature of the teacher concerned**

**Head of the Department**



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Session: 2024-25

### *Lesson Plan*

*(Department of Geography)*

**Teacher:** Sh. Suresh Lamba  
**Class:** MSc. Previous  
**Semester:** 2<sup>nd</sup>  
**Maximum Marks:** 100  
**End Term Exam Marks:** 80

**Course Type & Title:** Agricultural Geography  
**Course Code:** 19 GEO 203  
**Credits:** 4  
**Internal Assessment Marks:** 20

#### **Course Outcomes:**

**Main Objective:** The basic aim of this course is to provide fundamental understanding about concept, origin and development of agriculture; along with recent dynamics, contemporary issues and challenges faced by the agrigarian system and communities.

Sr. No.	Week/Month, 2025	Unit/ Topic/ Chapter to be covered	Assignment/Test/ Remarks, if any
1	01 Jan. to 04 Jan.	Familiar with Syllabus	
2	06 Jan. to 11 Jan.	Agricultural Geography: Definition, nature, scope and significance;	
3	13 Jan. to 18 Jan.	Approaches: commodity, systematic, and regional	
4	20 Jan. to 25 Jan.	Origin and dispersal of agriculture; gene-centres of agriculture;	
5	27 Jan. to 01 Feb.	Determinants of agricultural patterns: physical, technological and cultural factors.	
6	03 Feb. to 08 Feb.	Concepts of land capability classification (India), Land use survey and Classification (British and Indian), land use and cropping pattern;	
7	10 Feb. to 15 Feb.	Agricultural concept and their measurement- (a) intensity of cropping, (b) degree of commercialization, (c) diversification and specialization	
8	17 Feb. to 22 Feb.	(d) agricultural efficiency and productivity, (e) crop combination and concentration; Von Thunen Model of agricultural land use.	
9	24 Feb. to 01 March	Agricultural Regionalisation: Concept and criteria,	<b>Assignment</b>
10	03 March to 08 March	Whittlesey's agricultural systems; and agricultural	

		typology by Kostrowiki;	
11	17 March to 22 March	Agro-climatic zonation: Concept and agro-climatic regions of India.	
12	24 March to 29 March	Agricultural regions of India, Regional imbalances in agricultural productivity in India.	<b>Test</b>
13	31 March to 05 April	Green revolution: Its impact and consequences in India	
14	07 April to 12 April	Neo-liberalization and Indian agriculture; Food Security: Concept and components, Food Security in India	
15	14 April to 19 April	Contemporary Issues: Food, nutrition and hunger, food security, drought and food security, food aid programmes	
16	21 April to 26 April	environmental degradation, New Perspectives in Agriculture: Urban agriculture, Contract Farming, Agri-business	
17	28 April to 30 April	Sustainable Agricultural Development; Agriculture and climate change: Impacts and adaptation, role of irrigation	

**Recommended Books/ E resources/ LMS:**

1. Geoffrey, H.F. (1970) Geography of Agriculture: Themes in Research. Prentice Hall, N.J.
2. Morgon, W.B. and Munton, R.J. C. (1971) Agricultural Geography. Methuen, London.
3. Singh, J. and Dhillon, S.S. (1994) Agricultural Geography. Tata Mc Graw Hill, New Delhi.
4. Husain, M. (1996) Systematic Agricultural Geography. Rawat Publications, Jaipur.
5. Tarrant, J.R. (1974) Agricultural Geography. Willey, New York.
6. Shafi, M. (2006) Agricultural Geography. Pearson Education, New Delhi.

**Signature of the teacher concerned**

**Head of the Department**



## SMRJ Government College, Siwani (Bhiwani)

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Session: 2024-25

### *Lesson Plan*

*(Department of Geography)*



**Teacher:** Sh. Suresh Lamba  
**Class:** MSc. Final  
**Semester:** 4<sup>th</sup>  
**Maximum Marks:** 100  
**End Term Exam Marks:** 80

**Course Type & Title:** Biogeography  
**Course Code:** 19 GEO 404  
**Credits:** 4  
**Internal Assessment Marks:** 20

#### **Course Outcomes:**

**Main Objective:** This course aims to introduce the students the concept of Biogeography and its interpretation. Information and their application; interaction between living organisms with climate and physical environment, with special reference to India.

Sr. No.	Week/Month, 2025	Unit/ Topic/ Chapter to be covered	Assignment/Test/ Remarks, if any
1	01 Jan. to 04 Jan.	Familiar with Syllabus	
2	06 Jan. to 11 Jan.	Nature, scope and significance of biogeography,	
3	13 Jan. to 18 Jan.	Basic ecological principles	
4	20 Jan. to 25 Jan.	Bio-energy cycles in territorial ecosystem (Carbon and Nitrogen),	
5	27 Jan. to 01 Feb.	Energy flow, trophic levels and food web,	
6	03 Feb. to 08 Feb.	Origin of fauna and flora.	
7	10 Feb. to 15 Feb.	Major biomes of the world: forests, grasslands and deserts	
8	17 Feb. to 22 Feb.	Distribution of plant life on the earth and its relation to soil, climate and human activities	
9	24 Feb. to 01 March	Geographical distribution of animals on the earth and its relation to vegetation types, climate and human activities.	<b>Assignment</b>
10	03 March to 08 March	Communities: Nature of communities and ecosystems: bio-diversities	
11	17 March to 22 March	Human induced community change; habitat decay and conservation of biotic resources	
12	24 March to 29 March	Ecosystem services and its significance.	<b>Test</b>

13	31 March to 05 April	Environmental hazards, Ecological consequences	
14	07 April to 12 April	Human perception and adjustment with respect to flood,	
15	14 April to 19 April	Drought and earthquake,	
16	21 April to 26 April	Bio-Reserves of India,	
17	28 April to 30 April	National forest and wild life policy of India.	

**Recommended Books/ E resources/ LMS:**

1. Agarwal, D. P. (1992) Man and Environment in India through Ages. Book & Books.
2. Bradshaw, M. J. (1979) Earth and Living Plant. ELBS, London.
3. Cox, C. D. and Moore, P. D. (2016) Biogeography: An Ecological and Evolutionary Approach. 5th edn. Blackwell.
4. Gaur, R. (1987) Environment and Ecology of Early Man in Northern India. R. B. Publication Corporation.
5. Hoyt, J. B. (1992) Man and the Earth. Prentice Hall, U.S.A.
6. Huggett, R. J. (1998) Fundamentals of Biogeography. Routledge, U.S.A.
7. Lillies, J. (1974) Introduction of Zoogeography. McMillan, London.
8. Khushoo, T. N. and Sharma, M. ( eds.). (1991) Indian Geosphere – Biosphere. Har-Anand Publication, Delhi.
9. Lapedes, D. N. (ed.). (1974) Encyclopaedia of Environmental Science. McGraw Hill.
10. Mathur, H. S. (1998) Essentials of Biogeography. Anuj Printers, Jaipur.

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## SMRJ Government College, Siwani (Bhiwani)

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Session: 2024-25

### Lesson Plan

(Department of Geography)



**Teacher:** Sh. Suresh Lamba  
**Class:** B.A Hons. Final  
**Semester:** 6<sup>th</sup>  
**Maximum Marks:** 100  
**End Term Exam Marks:** 80

**Course Type & Title:** Biogeography  
**Course Code:** 21UGEOH609  
**Credits:** 4  
**Internal Assessment Marks:** 20

#### Course Outcomes:

**Main Objective:** This course aims to introduce the students the concept of Biogeography and its interpretation. Information and their application; interaction between living organisms with climate and physical environment, with special reference to India.

Sr. No.	Week/Month, 2025	Unit/ Topic/ Chapter to be covered	Assignment/Test/ Remarks, if any
1	01 Jan. to 04 Jan.	Familiar with Syllabus	
2	06 Jan. to 11 Jan.	Nature, Scope of Biogeography	
3	13 Jan. to 18 Jan.	Significance of Biogeography	
4	20 Jan. to 25 Jan.	Basic Ecological Principles	
5	27 Jan. to 01 Feb.	Bio-energy Cycles in Territorial Ecosystem (Carbon and Nitrogen)	
6	03 Feb. to 08 Feb.	Energy Flow,	
7	10 Feb. to 15 Feb.	Trophic Levels and Food Web	
8	17 Feb. to 22 Feb.	Origin of Fauna and Flora	
9	24 Feb. to 01 March	Major Biomes of the World: Forests, Grasslands and Deserts,	<b>Assignment</b>
10	03 March to 08 March	Distribution of Plant Life on the Earth and its Relation to Soil	
11	17 March to 22 March	Climate and Human Activities.	
12	24 March to 29 March	Geographical Distribution of Animals on the Earth and its	<b>Test</b>

		Relation to Vegetation Types	
13	31 March to 05 April	Bio-diversity: Human Induced Changes	
14	07 April to 12 April	Environmental Hazards,	
15	14 April to 19 April	Human Adjustment with Respect to Flood	
16	21 April to 26 April	Drought, Bio-Reserves of India	
17	28 April to 30 April	National Forest and Wildlife Policy of India	

**Recommended Books/ E resources/ LMS:**

1. Agarwal, D. P. (1992) Man and Environment in India through Ages. Book & Books.
2. Bradshaw, M. J. (1979) Earth and Living Plant. ELBS, London.
3. Cox, C. D. and Moore, P. D. (2016) Biogeography: An Ecological and Evolutionary Approach. 5th edn. Blackwell.
4. Gaur, R. (1987) Environment and Ecology of Early Man in Northern India. R. B. Publication Corporation.
5. Hoyt, J. B. (1992) Man and the Earth. Prentice Hall, U.S.A.
6. Huggett, R. J. (1998) Fundamentals of Biogeography. Routledge, U.S.A.
7. Lillies, J. (1974) Introduction of Zoogeography. McMillan, London.
8. Khushoo, T. N. and Sharma, M. ( eds.). (1991) Indian Geosphere – Biosphere. Har-Anand Publication, Delhi.
9. Lapedes, D. N. (ed.). (1974) Encyclopaedia of Environmental Science. McGraw Hill.
10. Mathur, H. S. (1998) Essentials of Biogeography. Anuj Printers, Jaipur.

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Session: 2024-25

### *Lesson Plan*

*(Department of Geography)*



**Teacher:** Sh. Suresh Lamba  
**Class:** B.A Hons. 2<sup>nd</sup> year  
**Semester:** 4th  
**Maximum Marks:** 100  
**End Term Exam Marks:** 80

**Course Type & Title:** Economic Geography  
**Course Code:** 21UGEOH-403  
**Credits:** 4  
**Internal Assessment Marks:** 20

#### **Course Outcomes:**

**Main Objective:** The basic aim of this course is to provide the basic understanding of economic geography with reference to the economic development in context of globalized world. The students will learn about different types of economic activities.

Sr. No.	Week/Month, 2025	Unit/ Topic/ Chapter to be covered	Assignment/Test/ Remarks, if any
1	01 Jan. to 04 Jan.	Familiar with Syllabus	
2	06 Jan. to 11 Jan.	Economic Geography: Definition, Nature, Scope and Approaches	
3	13 Jan. to 18 Jan.	Economic Geography: Approaches	
4	20 Jan. to 25 Jan.	Relationship of Economic Geography with Economics and other Branches of Social Sciences	
5	27 Jan. to 01 Feb.	Patterns and Characteristics of Developed and Developing Economies of the World.	
6	03 Feb. to 08 Feb.	Functional Classification of Economic Activities: Primary	
7	10 Feb. to 15 Feb.	Functional Classification of Economic Activities: Secondary, Tertiary Activities	
8	17 Feb. to 22 Feb.	World Production and Distribution of Energy Resources:	

		Coal and Petroleum	
9	24 Feb. to 01 March	World Production and Distribution of Mineral Resources: Iron Ore and Bauxite.	<b>Assignment</b>
10	03 March to 08 March	Classification of Industries: Resource based	
11	17 March to 22 March	Classification of Industries: Footloose Industries	
12	24 March to 29 March	Theories of Industrial Location - Ullman, Weber	<b>Test</b>
13	31 March to 05 April	Theories of Industrial Location - Isard and Losch.	
14	07 April to 12 April	Concept of Economic Growth and Developmen	
15	14 April to 19 April	Globalization and Pattern of Economic Development.	
16	21 April to 26 April	Major Regional Trade Blocks of the World	
17	28 April to 30 April	Free Trade Initiatives (GATT, UNCTAD, WTO)	

**Recommended Books/ E resources/ LMS:**

1. Chatterjee, S.P. (1984). Economic Geography of Asia. Calcutta: Allied Book Agency.
2. Dreze, J. and Sen, A. (1996). India-Economic Development and Social Opportunity. New Delhi: Oxford University Press.
3. Gautam, A. (2010). Advanced Economic Geography. Allahabad: Sharda Pustak Bhawan.
4. Hamilton, I. (1992). Resources and Industry. New York: Oxford University Press.
5. Hartshorne, T. A. and Alexander, J. W. (2001). Economic Geography. New Delhi: Prentice Hall of India.
6. Hudson, R. (2005). Economic Geography. New Delhi: Sage Publication.
7. Jones, C. F. and Darkenwarld, G. G. (1955). Economic Geography. New York: The Macmillan and Company.
8. Knox, P. (2003). The Geography of World Economy. London: Arnold.
9. Rostow, W.W. (1960). The Stages of Economic Growth. London: Cambridge University Press.
10. Saxena, H.M. (2013). Economic Geography. Jaipur: Rawat Publications.
11. Wheeler, J.O. and Muller, P.O. (1985). Economic Geography. New York: John Wiley and Sons.

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