



# UNIVERSITY OF JAMMU

(NAAC ACCREDITED 'A ++' GRADE' UNIVERSITY)  
Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

Academic Section

Email: [academicsectionju14@gmail.com](mailto:academicsectionju14@gmail.com)

## NOTIFICATION (25/July/Adp./17)

It is hereby notified for the information of all concerned that the Vice-Chancellor, in anticipation of the approval of the Academic Council, is pleased to authorize the adoption of the syllabi and courses of studies for **Post Graduate Programme** in **Geography** under **NEP-2020** as per details given below:-

### Two Year Post Graduate Programme under NEP-2020

Subject	Semester	For the examinations to be held in the year
Geography	Semester-I	December 2025, 2026 and 2027
	Semester-II	May 2026, 2027 and 2028
	Semester-III	December 2026, 2027 and 2028
	Semester-IV	May 2027, 2028 and 2029

### One Year Post Graduate Programme under NEP-2020

Subject	Semester	For the examinations to be held in the year
Geography	Semester-I	December 2026, 2027 and 2028
	Semester-II	May 2027, 2028 and 2029

The Syllabi of the courses are also available on the University website:  
[www.jammuuniversity.ac.in](http://www.jammuuniversity.ac.in)

Anju Bhasin  
21/7/2025  
DEAN ACADEMIC AFFAIRS

No. F. Acd/II/25/9270-72

Dated: 23/7/25

Copy for information and necessary action to:

1. Dean, Faculty of Science
2. Director/Convener, Board of Studies in Geography
3. Director, Centre for IT Enabled services and Management, University of Jammu for information and for uploading on University Website.
4. All members of the Board of Studies
5. Joint Registrar (Evaluation/P.G. Exam.)
6. Programmer, Computer Section, Examination Wing

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Jz MP  
17/7/25



**DEPARTMENT OF GEOGRAPHY  
UNIVERSITY OF JAMMU**

**Course Structure under New Pattern of NEP for One Year PG Programme ( 2025-26)**

<b>Semester-I</b>		
<b>Course Code</b>	<b>Title</b>	<b>Credit</b>
P1GETC101	OCEANOGRAPHY	4
P1GETC102	ECONOMIC GEOGRAPHY	4
P1GETC103	GEOGRAPHY OF RURAL DEVELOPMENT	4
P1GETC104	GEOGRAPHY OF ASIA	4
P1GETE105	TOURISM GEOGRAPHY	4
P1GETE106	POLITICAL GEOGRAPHY	
P1GETE107	GLACIAL GEOMORPHOLOGY	
P1GEPC108	SOCIO-ECONOMIC SURVEY	4
P1GEPC109	FUNADAMENTAL OF GIS &GPS	4
<b>Total Credit</b>		<b>28</b>

<b>Semester-II</b>		
<b>Course Code</b>	<b>Title</b>	<b>Credit</b>
P1GETC201	MOUNTAIN GEOGRAPHY	4
P1GETE202	GENDER GEOGRAPHY	4
P1GETE203	AGRICULTURE GEOGRAPHY	
P1GETE204	ENVIRONMENTAL PLANNING & MANAGEMENT	
P1GERC205	DISSERTATION	8
P1GERC206	FIELD STUDY TOUR	4
P1GERC207	APPLICATION OF REMOTE SENSING & GIS IN GEOGRAPHICAL RESEARCH	4
<b>Total Credit</b>		<b>24</b>
<b>Total Credit (I+II)</b>		<b>52</b>

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**DEPARTMENT OF GEOGRAPHY  
UNIVERSITY OF JAMMU**

**Course Structure under New Pattern of NEP for One Year PG Programme ( 2025-26)**

**Semester-I**

Course Code	Title	Credit	Level	Remarks
P1GETC101	OCEANOGRAPHY	4	400	Global
P1GETC102	ECONOMIC GEOGRAPHY	4	400	Global
P1GETC103	GEOGRAPHY OF RURAL DEVELOPMENT	4	400	Global
P1GETC104	GEOGRAPHY OF ASIA	4	400	Regional
P1GETE105	TOURISM GEOGRAPHY	4	400	Global
P1GETE106	POLITICAL GEOGRAPHY			
P1GETE107	GLACIAL GEOMORPHOLOGY			
P1GEPC108	SOCIO-ECONOMIC SURVEY	4	400	Skill
P1GEPC109	FUNDAMENTAL OF GIS & GPS	4	400	Skill
<b>Total Credit</b>		<b>28</b>		

**Semester-II**

Course Code	Title	Credit	Level	Remarks
P1GETC201	MOUNTAIN GEOGRAPHY	4	400	Global
P1GETE202	GENDER GEOGRAPHY	4	400	Global
P1GETE203	AGRICULTURE GEOGRAPHY			
P1GETE204	ENVIRONMENTAL PLANNING & MANAGEMENT			
P1GERC205	DISSERTATION	8	800	Dissertation (Research)
P1GERC206	FIELD STUDY TOUR	4	400	Project (Research)
P1GERC207	APPLICATION OF REMOTE SENSING & GIS IN GEOGRAPHICAL RESEARCH	4	400	Project/Internship (Research)
<b>Total Credit</b>		<b>24</b>		

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**UNIVERSITY OF JAMMU**  
**DEPARTMENT OF GEOGRAPHY**  
**SYLLABUS FOR POSTGRADUATE PROGRAMME IN GEOGRAPHY**  
**(1-YEAR M.A./M.SC. COURSE) AS PER NATIONAL EDUCATION POLICY (NEP)-2020**  
**M.A./M.SC. GEOGRAPHY, 1st SEMESTER**  
**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GETC101**  
**Credit: 4**

**Title: Oceanography**  
**Max. Marks: 100**

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**Note: Detailed syllabus for examination to be held in 2023, 2026 & 2027**

**Objectives:**

The objectives of this course are to introduce students to the physical and chemical properties of sea water, atmospheric and oceanic linkage. To familiarize the students about the bottom topography of the oceans, and oceanic phenomena occurring with their specific causes and probable impacts. To evaluate how ocean can be helpful as resource to resolve the resource scarcity for sustainable development.

**Unit-I**

	<b><u>Contract Hours</u></b>
1.1 Fundamentals of Oceanography	(3)
1.2 Historical Development of Oceanography	(3)
1.3 Morphology of Ocean bottom	(3)
1.4 Bottom relief of Ocean: Atlantic, Pacific and Indian	(3)

**Unit-II**

2.1. Physical and Chemical properties of Sea water	(3)
2.2. Temperature Distribution: Horizontal and Vertical	(3)
2.3. Ocean Deposits- Types and source	(3)
2.4. Coral Reef- Origin views of Darwin, Murrey and Daly	(3)


**Unit-III**

3.1. Tides- Characteristics and Origin, Equilibrium and Dynamic model	(3)
3.2. Waves and Tsunami	(3)
3.3. Surface Ocean Currents: Geostrophic circulation, Coriolis force and Ekman Law	(3)
3.4. Currents of Atlantic, Pacific and Indian Ocean	(3)

**Unit IV**

4.1. Ocean and Geopolitics	(3)
4.2. Law of Sea, Exclusive Economic Zone	(3)
4.3. Applied Oceanography	(3)
4.4. Marine Pollution	(3)





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**M.A./M.SC. GEOGRAPHY, 1st SEMESTER**  
**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

Course Code: P1GETC101  
 Credit: 4  
 Duration of Examination: 3 hrs.

Title: Oceanography  
 Max. Marks: 100  
 (a) Minor Test-I: 20  
 (b) Minor Test-II: 20  
 (c) Major Test: 60

**Scheme of Examination:**

MCQ on LMS + Subjective Test	Syllabus to be covered in the examination	Time allotted for the examination	% Weightage (Marks)
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
Theory	Syllabus to be covered in the examination	Time allotted for the examination	% Weightage (Marks)
Major test (after 90 days)	100%	3 hours	60
Total			100

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings:**

1. Lal, D.S., Oceanography, 2002, Sharda Pustak Bhawan, Allahabad.
2. Pinet, P.R., Invitation to Oceanography, 2000, Jones and Barlett Publishers, U.S.A.
3. Sharma, R.C., Vatal, M., Oceanography for Geographers, 2001, Chaitanya Publishing House, Allahabad.
4. Sidharta K., Oceanography, 1999, Kalyana Publications, New Delhi.
5. Singh, S., 2008, Oceanography, Prayag Pustak Bhawan, Allahabad.
6. Tomezak, M. and Godfrey, J.S., Regional Oceanography, 2003, Daya Publishing House, Delhi.

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**M.A./M.SC. GEOGRAPHY, 1st SEMESTER**  
**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GETC102**  
**Credit: 4**

**Title: Economic Geography**  
**Max. Marks: 100**

**Objectives:**

The objectives of this course are to integrate the various factors of economic development and acquaint the students about the dynamic aspects of Economic geography. To familiarise the students about the role of agriculture in the economic development of the country. To familiarize the students to understand the location of major manufacturing activities with the support of various industrial location theories and models. To evaluate the changing industrial scenario due to Globalization and its impact on Indian economy with the economies of global trade.

**Contract Hours**

**Unit I**

- |  |     |
|--|-----|
| 1.1 Meaning, Content and Recent trends in Economic Geography               | (3) |
| 1.2 Relation of Economic Geography with Economics and Commercial Geography | (3) |
| 1.3 Approaches to the study of Economic Geography                          | (3) |
| 1.4 Classification of Economies  | (3) |

**Unit II**

- |   |     |
|---|-----|
| 2.1. Factors of location of Economic Activities               | (3) |
| 2.2. Types of Economic activities                             | (3) |
| 3.3. World major Agricultural Types: Whitlesey Classification | (3) |
| 3.4. Von Thunen Model with special reference to Economic Rent | (3) |

**Unit III**

- |   |     |
|---|-----|
| 3.1. Classification of Industries                     | (3) |
| 3.2. Theories of Industrial location: Weber and Losch | (3) |
| 3.3. Christaller Central Place Theory                 | (3) |
| 3.4. Typology of Markets                              | (3) |

**Unit IV**

- |  |     |
|--|-----|
| 4.1. Mode of Transportation Cost, Accessibility and Connectivity | (3) |
| 4.2. Economic Development of India and Regional Disparities      | (3) |
| 4.3 Socio-Economic Impact of Green Revolution                    | (3) |
| 4.4. Impact of Globalization on India's Economic Transformation  | (3) |







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**M.A./M.SC. GEOGRAPHY, 1st SEMESTER**  
**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GETC102**  
**Credit: 4**  
**Duration of Examination: 3 hrs.**

**Title: Economic Geography**  
**Max. Marks: 100**  
**(a) Minor Test-I: 20**  
**(b) Minor Test-II: 20**  
**(c) Major Test: 60**

**Scheme of Examination:**

MCQ on LMS + Subjective Test	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
Theory	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
Major test (after 90 days)	100%	3 hours	60
Total			100

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings:**

1. Berry J.L., Geography of Market Centers and Retail Distribution, Prentice Hall, New York, 1967.
2. Chatterjee, S.P. Economic Geography of Asia, Allied Book Agency, Calcutta, 1984.
3. Chorley, R.J. and Haggett, P(ed), Network Analysis in Geography, Arnold, 1969.
4. Dreze, J. and Sen, A. India- Economic Development and Social Opportunity, Oxford University Press, New Delhi, 1996.
5. Exkarsley, R(ed): Markets, The State and the Environment, McMillan, London, 1995.
6. Garnier, B.J. and Delobez, A Geography of Marketing, Longman, London, 1979.
7. Hamilton, F.E.I.: Spatial Perspectives on Industrial Organization and Decision Making. John Wiley, New York, 1974.
8. Hamilton, I. (ed): Resources and Industry, Oxform University Press, New York, 1992.

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M.A./M.SC. GEOGRAPHY, 1st SEMESTER  
(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)

Course Code: P1GETC103  
Credit: 4

Title: Geography of Rural Development  
Max. Marks: 100

**Objectives:** Rural development is a national necessity and has considerable importance in India. This programme has been evolved & enriched, with the induction of new ideas and practices in the discipline of rural studies, community development and indigenous epistemology. The course focusing on how innovation contributes to future planning for rurality, to plan for a range of alternative, feasible and desirable for future developments in the rural areas. The main objective of Geography of Rural Development is to train students to become specialists in integrated rural development, and focus on socio-economic and institutional aspects.

<u>Unit-I</u>	<u>Contract Hours</u>
1.1 Nature, Scope and Significance of Geography of Rural Development.	(3)
1.2 Socio-Economic Structure of Rural India.	(3)
1.3 Approaches to Rural Development.	(3)
1.4 Determinants of Rural Development in India.	(3)
 <u>Unit-II</u>	
2.1 Role of Agriculture in Rural Economy	(3)
(a) Landuse Classification and Landuse Planning.	
(b) Water resource and role of irrigation and water management in the Development of Rural India.	
2.2 Significance of livestock in Rural Economy.	(3)
2.3 Rural Industries and its importance for Rural Development.	(3)
2.4 Structure of human workforce, Need for development of Human resource through extension education.	(3)
 <u>Unit-III</u>	
3.1 Tenural Structure and land reforms in India and its impact on rural development.	(3)
3.2 Role of Panchayati Raj Institution for Rural Development.	(3)
3.3 Co-operatives and Rural Development.	(3)
3.4 Rural Finances and NABARD.	(3)
 <u>Unit-IV</u>	
4.1 Appropriate technology for the rural development.	(3)
4.2 Post-harvest technology.	(3)
4.3 Farm technology in India – HYV Seeds, Chemical fertilizers, plant Protection and soil conservation.	(3)
4.4 Importance of Rural transformation for sustainable development	(3)

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M.A./M.SC. GEOGRAPHY, 1st SEMESTER  
(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)

Course Code: P1GETC103  
Credit: 4  
Duration of Examination: 3 hrs.

Title: Geography of Rural Development  
Max. Marks: 100  
(a) Minor Test-I: 20  
(b) Minor Test-II: 20  
(c) Major Test: 60

**Scheme of Examination:**

MCQ on LMS + Subjective Test	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
Theory	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
Major test (after 90 days)	100%	3 hours	60
Total			100

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

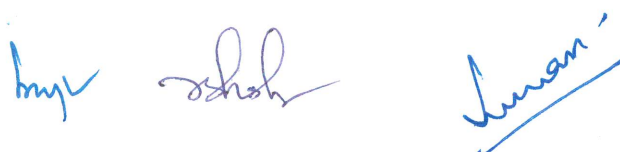
The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings:**

1. Dey, S.K., Panchavati Rai: A Synthesis. Asia Publishing House, New Delhi, 1961.
2. Kurukshetra – A Symposium, Publication Division-Ministry of Information and Broadcasting, Govt. of India Press, Basik, 1967.
3. Mishra, R.P., Rural Area Development, Concept Publishing House, New Delhi, 1980.
4. Prashad, K.N., India's Rural Problems, Concept Publishing Company, New Delhi, 1991.
5. Rao, VISP, Development Strategy for an Agricultural Region, I.D.S. University of Mysore, 1976.
6. Sharma, S.K., Dynamics of Development, Concept Publishing House, New Delhi, 1977.
7. Swaminathan, M.D., Science and Integrated Rural Development, Concept Publishing House, New Delhi, 1987.



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(1-YEAR M.A./M.SC. COURSE) AS PER NATIONAL EDUCATION POLICY (NEP)-2020  
M.A./M.SC. GEOGRAPHY, 1st SEMESTER  
(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)

**Course Code: P1GETC104**  
**Credit: 4**

**Title: Geography of Asia**  
**Max. Marks: 100**

**Objectives:**

The basic objective of this course is to make the students familiar with locations, physiographic, industrial belts, drainage patterns, vegetation, soil etc.

The course attempts to give regional as well as spatial perspective for synthesizing physical and social relationships.

**Unit- I**

**Contract Hours**

1.1 Physiographic Divisions of Asia	(3)
1.2 Climate types of Asia	(3)
1.3 Drainage Systems	(3)
1.4 Soils and Vegetation Types	(3)

**Unit- II**

2.1 Population Distribution and Density	(3)
2.2 Population Structure and Composition	(3)
2.3 Agriculture in Asia	(3)
2.4 Production and Distribution of major crops (Rice, Wheat and Tea)	(3)

**Unit -III**

3.1 Resources in Asia; (Iron ore and Coal)	(3)
3.2 Major industries and industrial Regions	(3)
3.3 Urbanization Trends and Megacities	(3)
3.4 Urbanization- Challenges and Opportunities	(3)

**Unit-IV**

4.1 Geopolitical Importance of Asia	(3)
4.2 Regional Conflicts and Tensions	(3)
4.3 Asia's Role in Global Economy	(3)
4.4 Environmental Challenges and Cooperation	(3)

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**M.A./M.SC. GEOGRAPHY, 1st SEMESTER**  
**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GETC104**  
**Credit: 4**  
**Duration of Examination: 3 hrs.**

**Title: Geography of Asia**  
**Max. Marks: 100**  
**(a) Minor Test-I: 20**  
**(b) Minor Test-II: 20**  
**(c) Major Test: 60**

**Scheme of Examination:**

MCQ on LMS + Subjective Test	Syllabus to be covered in the examination	Time allotted for the examination	% Weightage (Marks)
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
Theory	Syllabus to be covered in the examination	Time allotted for the examination	% Weightage (Marks)
Major test (after 90 days)	100%	3 hours	60
Total			100

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings:**

1. John Cole. "Geography of World's Major Regions".
2. Goseph J. Hobbs & Others. "World Regional Geography".
3. Hepner, G.F. "World Regional Geography: A global approach".
4. Tikka, Bali and Sekhon. "World Regional Geography".
5. Dr. Alka Gautam. "World Geography".
6. Majid Hussain. "World Geography".
7. Mehtani & Sinha. "Geography of the world".
8. R.N. Chohan. "World Geography"..
9. B.S. Negi. "Economic and Commercial Geography of the World".

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**M.A./M.SC. GEOGRAPHY, 1st SEMESTER**  
**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GETE105**  
**Credit: 4**

**Title: Tourism Geography**  
**Max. Marks: 100**

**Objectives:**

The main objective of this course is to aware the students of the Physical, Cultural, Historical and Economic aspects of tourism. To understand the tourism as a industry, circuits, and impact of tourist activity

**Unit-I**

**Contract Hours**

- |   |     |
|---|-----|
| 1.1 Geography of Tourism: Definition, Nature and Scope.               | (3) |
| 1.2 Locational Dimension: Physical Cultural, Historical and Economic. | (3) |
| 1.3 Evolution of Studies in Tourism Geography.                        | (3) |
| 1.4 Significance of the Study of Tourism Geography.                   | (3) |

**Unit-II**

- |   |     |
|---|-----|
| 2.1 Elements of Tourism.  | (3) |
| 2.2 Classification of Tourism.  | (3) |
| 2.3 Factors Influencing Tourism; Social, Cultural, Economic and Historical. | (3) |
| 2.4 Tourism as an Industry.   | (3) |

**Unit-III**

- |  |     |
|--|-----|
| 3.1 Infrastructure and Support System for Tourism. | (3) |
| 3.2 Tourism Circuits – Short and Long Duration.    | (3) |
| 3.3 Role of Travel Agencies.                       | (3) |
| 3.4 The Hotel Industry.                            | (3) |

**Unit-IV**

- |  |     |
|--|-----|
| 4.1 Classification and Types of Indian Tourism.        | (3) |
| 4.2 Tourism Destination of Asia, Europe and America    | (3) |
| 4.3 Impact of Tourism – Physical, Economic and Social. | (3) |
| 4.4 Environmental Laws and Tourism.                    | (3) |



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**M.A./M.SC. GEOGRAPHY, 1st SEMESTER**  
**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GETE105**  
**Credit: 4**  
**Duration of Examination: 3 hrs.**

**Title: Tourism Geography**  
**Max. Marks: 100**  
**(a) Minor Test-I: 20**  
**(b) Minor Test-II: 20**  
**(c) Major Test: 60**

**Scheme of Examination:**

<b>MCQ on LMS + Subjective Test</b>	<b>Syllabus to be covered in the examination</b>	<b>Time allotted for the examination</b>	<b>%Weightage (Marks)</b>
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
<b>Theory</b>	<b>Syllabus to be covered in the examination</b>	<b>Time allotted for the examination</b>	<b>%Weightage (Marks)</b>
Major test (after 90 days)	100%	3 hours	60
Total			100

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings:**

1. Dhar P. Development of Tourism and Travel Industry, 1997, Kanishka Publisher, New Delhi.
2. Negi J. Tourism and Travel, 1990 Gitanjali Publishing, New Delhi.
3. Sharma R.C. Geography of Tourism, 2002 Rajat Publication, New Delhi.
4. Singh P., Dynamics of Modern Tourism, 1998 Kanishka Publishers, New Delhi.
5. Negi J., Grading and Classification of Hotel Tourism, Resorts and Restaurant 2003, Kanishka, New Delhi.

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UNIVERSITY OF JAMMU  
DEPARTMENT OF GEOGRAPHY  
SYLLABUS FOR POSTGRADUATE PROGRAMME IN GEOGRAPHY  
(1-YEAR M.A./M.SC. COURSE) AS PER NATIONAL EDUCATION POLICY (NEP)-2020  
M.A./M.SC. GEOGRAPHY, 1st SEMESTER  
(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)

**Course Code: P1GETE106**  
**Credit: 4**

**Title: Political Geography**  
**Max. Marks: 100**

**Objectives:** The objectives of a political geography subject include understanding key concepts such as territory, boundaries, sovereignty, and geopolitics. Students will analyze political spaces, including territorial disputes and boundary dynamics, and apply geopolitical theories to international relations. Case studies will focus on border conflicts, resource management, and the impact of globalization. Critical thinking skills will be developed through evaluating the role of power, assessing historical events, and forming critical perspectives on political geography and its applications. By exploring these topics, students will gain a comprehensive understanding of the complex relationships between politics and geography, enabling them to analyze and interpret real-world issues and phenomena.

<u>Unit-I</u>	<u>Contract Hours</u>
1.1 Definition, Nature and Scope of Political Geography	(3)
1.2 Political Geography and Geopolitics	(3)
1.3 Elements of Political Geography – Territory, State and People	(3)
1.4 Evolution and Growth of Political Geography	(3)
<u>Unit-II</u>	
2.1 Nation and State in Political Geography	(3)
2.2 Boundaries , Frontiers and Buffer Zones	(3)
2.3 Population, Resources and Political Geography	(3)
2.4 Power and Politics in Political Geography	(3)
<u>Unit-III</u>	
3.1 Heartland Concept of Halford Mekinder	(3)
3.2 Rimland concept of Spykman	(3)
3.3 OPEC and SAARC in Political Geography	(3)
3.4 Global Institutions and Political Geography	(3)
<u>Unit-IV</u>	
4.1 Geopolitical Hotspot- South China Sea	(3)
4.2 European Political Geography	(3)
4.3 Political Geography of South-East Asia	(3)
4.4 Political Geography of the Indian Ocean	(3)



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**M.A./M.SC. GEOGRAPHY, 1st SEMESTER**  
**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GETE106**  
**Credit: 4**  
**Duration of Examination: 3 hrs.**

**Title: Political Geography**  
**Max. Marks: 100**  
**(a) Minor Test-I: 20**  
**(b) Minor Test-II:20**  
**(c) Major Test: 60**

**Scheme of Examination:**

MCQ on LMS + Subjective Test	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
Theory	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
Major test (after 90 days)	100%	3 hours	60
Total			100

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings**

1. Political Geography- Approaches, Concepts , Futures – Rachael Squire and Jackman
2. Political Geography- Sudepta Adhikari
3. Political Geography of India" – R.D. Dixit
4. India: A Political Geography" – Michael Brecher.
5. Politics and Geography of the Indian Ocean Region" – P. K. Suri
6. The Political Geography of Indian States and Union Territories" – N. S. R. Anjaneyulu
7. Geopolitics of South Asia" – S.D. Muni
8. Indian Political System" – M. Laxmikanth.

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**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GETE107**  
**Credit: 4**  
**Duration of Examination: 3 hrs.**

**Title: Glacial Geomorphology**  
**Max. Marks: 100**  
**(a) Minor Test-I: 20**  
**(b) Minor Test-II: 20**  
**(c) Major Test: 60**

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**Objectives:**

The objective of this course is to understand the process of glaciations in different geological periods. To understand this process of glacial erosion and deposition and related landforms. The students will be able to understand the climate change and its impact in the glaciated regions.

**Unit-I**

**Contract Hours**

- |   |     |
|---|-----|
| 1.1. Glaciers: Origin and Classification                | (3) |
| 1.2. Ice Ages and World Glaciations: Causes of Ice Ages | (3) |
| 1.3. Glacial Ice flow and Internal deformation          | (3) |
| 1.4. Pleistocene Glaciations                            | (3) |

**Unit-II**

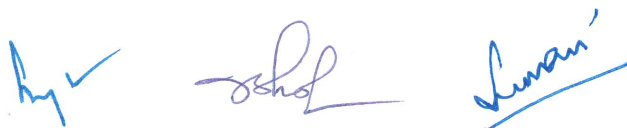
- |   |     |
|---|-----|
| 2.1. Glacial Movement: Advancement and Retreat            | (3) |
| 2.2. Glacial Erosion, Ice and Melt water                  | (3) |
| 2.3. Mechanical and Chemical processes of Glacial Erosion | (3) |
| 2.4. Glacial Erosional Landforms                          | (3) |

**Unit-III**

- |  |     |
|--|-----|
| 3.1. Glacial Depositional Processes: Stratified and Non-Stratified | (3) |
| 3.2. Morphodynamics and forms of Moraines                          | (3) |
| 3.3. Glacial Depositional Landforms                                | (3) |
| 3.4. Glacio-fluvial and Glacio-lacustrine Environment              | (3) |

**Unit IV**

- |   |     |
|---|-----|
| 4.1. Periglacial Processes and landforms            | (3) |
| 4.2. Glacial Surges and Avalanches                  | (3) |
| 4.3. Glacial Lake Out flood Burst (GLOF)            | (3) |
| 4.4. Impact of Climate Change on Himalayan Glaciers | (3) |



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**Course Code: P1GETE107**  
**Credit: 4**  
**Duration of Examination: 3 hrs.**

**Title: Glacial Geomorphology**  
**Max. Marks: 100**  
**(a) Minor Test-I: 20**  
**(b) Minor Test-II: 20**  
**(c) Major Test: 60**

**Scheme of Examination:**

MCQ on LMS + Subjective Test	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
Theory	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
Major test (after 90 days)	100%	3 hours	60
Total			100

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings:**

1. Bloom A. L.: Geomorphology Prentice Hall, New Jersey USA, 1979.
2. Goudie, A: Geomorphological Techniques, George Allen and Unwin, London, 1981.
3. Washborn, A.L.: Peri-glacial Process and Environment, Edward Arnold London, 1973.
4. Young, A.: Slopes, Oliver and Boyd London, 1972.
5. King, C.A.M.: Techniques in Geomorphology Edward Arnold London, 1968.
6. Embleton, C. and Theories, J.: Process in geomorphology, Arnold Hienmann, London, 1979.
7. Phodes, D.D. and William, G.P.: Adjustment of fluvial processes, George Allen and Unwin, Bostan, 1982.
8. Tricart, I. and Calliam: Introduction to climate Geomorphology, Longmans London, 1972.





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**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GEPC108**  
**Credit: 4**

**Title: Socio-Economic Survey**  
**Max. Marks: 100**

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**Objectives:**

The objectives of field study is to gain a comprehensive understanding the students with the understanding of ground reality of a chosen village/Town by empirical observation and conducting extensive socio-economic survey through questionnaires.

**Unit-I:**

**Contract Hours**

**Graphical Representation**

(12)

1.1 Introduction to the socio –economic profile of the study area.

**Unit-II**

**Preparation of Field Book**

(12)

2.1 Prepare a question book/questionnaire to collect Demographic Social and Economic data to study the temporal change in the Profile of the study area.  
Conduct a household level socio-economic survey of the village/Town with the help of questionnaires.

**Unit-III**

**Field Work**

3.1 Conduct a Socio-Economic Field Work of a selected area supplemented by Personal observations and investigation. Procure a cadastral map of selected village for field mapping of the features of the landuse, settlement and other prominent features. (12)

**Unit-IV**

**Preparation of Report**

(12)

4.1 Based on the results of the land use and Socio-Economic outputs, prepare a critical Field Study report. Supplement the report with the help of photograph, diagrams and maps.

**Note:**

1. The DAC shall select one teacher as Course-Coordinator in rotation every year for the conduct of the course.
2. The DAC in consultation of the Course Co-Coordinator shall select the site/village for the Socio Economic Survey.
3. The Course Co-Coordinator shall allot different topics to the students to write reports.

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**Course Code: P1GEPC108**  
**Credit: 4**  
**Duration of Examination: 4 hrs.**

**Title: Socio-Economic Survey**  
**Max. Marks: 100**  
**(a) Internal: 50**  
**(b) External: 50**

**Note for Paper Setters:**

<b>1</b>	<b>Internal</b>	<b>Break up of marks</b>
(i)	Subject Matter	10
(ii)	Methodology	10
(iii)	Attendance	10
(iv)	Presentation	10
(v)	Viva Voce	10
<b>2</b>	<b>External</b>	
(i)	Practical Record/ Report	30
(ii)	Viva Voce	20
	<b>Total:</b>	<b>100</b>

**External Practical/ Research (thesis/project/patent) examination**

External Practical/ Research examination shall be conducted by Board of Examiners consisting of Head of the Department, one/two Senior Professors of concerned department, concerned teacher and outside expert to be appointed by the Vice-Chancellor out of the panel to be provided by the Head of the Department who shall evaluate/assess final practical performance/ dissertation of the students.

**Suggested Readings:**

1. Archeer, J.E. and Dalton, T.H. Fieldwork in Geography, London, 1968
2. Glodard, R. H., Field Techniques and Research Methodology in Geography, Dubuque, 1982
3. Jones, P.A., Fieldwork in Geography, London, 1968
4. Mohammed A.C., Statistics Methods in Geographical Studies, Rajesh Pub, Delhi, 1977
5. Wheleso, K.S. and harding . M., Geographical Field , London, 1965

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**UNIVERSITY OF JAMMU**  
**DEPARTMENT OF GEOGRAPHY**  
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**M.A./M.SC. GEOGRAPHY, 1st SEMESTER**  
**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GEPC109**  
**Credit: 4**

**Title: Fundamentals of GIS & GPS**  
**Max. Marks: 100**

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**Objectives:**

Comprehend fundamental concepts and practices of GIS and advances in Geospatial Information Science and Technology Apply basic graphic and data visualization concepts, demonstrate skills in file and database management. Demonstrate proficiency in the use of maps, satellite images and GIS tools to create maps that effectively convey the information they are introduced to.

**Unit-I:**

**Contract Hours**

- |   |     |
|---|-----|
| 1.1 GIS definition, history and development.    | (3) |
| 1.2 Advantages and disadvantages of GIS.        | (3) |
| 1.3 Application of GIS in geographical studies. | (3) |
| 1.4 Spatial and non-spatial data.               | (3) |

**Unit-II**

- |  |     |
|--|-----|
| 2.1 Raster and Vector data.                  | (3) |
| 2.2 Geo-referencing of data set.             | (3) |
| 2.3 Concept of DBMS.                         | (3) |
| 2.4 Linking of spatial and non-spatial data. | (3) |

**Unit-III**

- |   |     |
|---|-----|
| 3.1 Topology and neighborhood analysis. | (3) |
| 3.2 Analysis of spatial data.           | (3) |
| 3.3 On screen digitization.             | (3) |
| 3.4 Map Layout.                         | (3) |

**Unit-IV**

- |   |     |
|---|-----|
| 4.1 Concept of GPS – Handheld and differential GPS. | (3) |
| 4.2 Accuracy and Errors in GPS.                     | (3) |
| 4.3 Different types of GNSS.                        | (3) |
| 4.4 Collection GCP's and transferring data from GPS | (3) |



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**M.A./M.SC. GEOGRAPHY, 1st SEMESTER**  
**(Detailed syllabus for examination to be held in Dec 2026, 2027 & 2028)**

**Course Code: P1GEPC109**  
**Credit: 4**  
**Duration of Examination: 4hrs.**

**Title: Fundamentals of GIS & GPS**  
**Max. Marks: 100**  
**(a) Internal: 50**  
**(b) External: 50**

**Note for Paper Setters:**

<b>1</b>	<b>Internal</b>	<b>Break up of marks</b>
(i)	Daily Evaluation of Practical Record	20
(ii)	Attendance	10
(iii)	Test+Viva-Voce+Practical Records (10+5+5)	20
<b>2</b>	<b>External</b>	
(i)	Test	36
(ii)	Viva	9
(iii)	Practical record	5
<b>Total</b>		<b>100</b>

**External Practical/ Research (thesis/project/patent) examination**

External Practical/ Research examination shall be conducted by Board of Examiners consisting of Head of the Department, one/two Senior Professors of concerned department, concerned teacher and outside expert to be appointed by the Vice-Chancellor out of the panel to be provided by the Head of the Department who shall evaluate/assess final practical performance/ dissertation of the students.

**Suggested Readings:**

- Lo C.P./ & Yeung A.K.W., (2004). Concepts and Techniques of GIS, Prentice-Hall of India, New Delhi.
- Heywood I, Cornelius S, Carver S. (2000). Introduction to GIS. Addison Wesley Longman, New York.
- Burrough P.A. and Rachael A. Mc Donnell. Principles of Geographic Information Systems, 2<sup>nd</sup> Ed.
- Masood A S., (2006). Introduction to GIS, Sharda Pustak Bhavan Allahabad.
- Fazal.S. & Rahman A. (2007). GIS Terminology, New Age International Publishers, New Delhi.
- Fazal. S. (2008). GIS Basics, New Age International Publishers, New Delhi.
- Leick A. (1995) GPS Satellite Surveying, 2<sup>nd</sup> Edition, John Wiley and Sons.
- French. G.T. Understanding the GPS: An Introduction to the Global Positioning System.
- Element of Photography: Payl R. Wolf.
- Jensen, J.R. 2000: Remote Sensing of the Environment: An Earth Resource Perspective, Prentice Hall.
- Joseph George, 2003: Fundamentals of Remote Sensing, Universities Press.
- Lillesand, T.M., and Kieffer, R.M., 1987: Remote Sensing and Image Interpretation, John Wiley.
- Paine, D.P., 1981: Aerial Photography and Image Interpretation for Resource Management, John Wiley.
- Pandey, S.N., 1987: Principles and Applications of Photography, Wiley Eastern.
- Gibson, P.J. 2000: Digital Image Processing, Routledge Publication.



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**M.A./M.SC. GEOGRAPHY, 2nd SEMESTER**  
**(Detailed syllabus for examination to be held in May 2027, 2028 & 2029)**

**Course Code: P1GETC201**  
**Credit: 4**

**Title: Mountain Geography**  
**Max. Marks: 100**

**Objectives:**

The objective of the course is to explore the mountain environment, the geo-ecological processes and the role of the people in using, transforming and conserving them. The focus of the course is both is physical human system and their interaction in mountainous region.

**Unit-I**

**Contract Hours**

- |   |     |
|---|-----|
| 1.1 Concept of Mountain Environment.                  | (3) |
| 1.2 Impact of Climate Change on Mountain Environment. | (3) |
| 1.3 Risk and hazards of Mountain Environment.         | (3) |
| 1.4 Mountain Geography and Global Agenda.             | (3) |

**Unit-II Mountain Geography with Special References to J&K.**

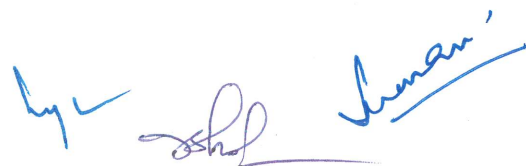
- |   |     |
|---|-----|
| 2.1 Physical Landscapes of J&K.             | (3) |
| 2.2 Climate: Temperature and precipitation. | (3) |
| 2.3 Forest Resources of J&K.                | (3) |
| 2.4 Water resources of J&K.                 | (3) |

**Unit-III**

- |   |     |
|---|-----|
| 3.1 Human Resources: Population distributions in J&K. | (3) |
| 3.2 Literacy and Education in J&K.                    | (3) |
| 3.3 Healthcare infrastructure in J&K.                 | (3) |
| 3.4 Occupational infrastructure in J&K.               | (3) |

**Unit-IV**

- |   |     |
|---|-----|
| 4.1 Agriculture and Rural Development in J&K. | (3) |
| 4.2 Tourism of J&K.                           | (3) |
| 4.3 Cottage & Small scale industry of J&K.    | (3) |
| 4.4 Cultural diversity of J&K.                | (3) |



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**Course Code: P1GETC201**  
**Credit: 4**  
**Duration of Examination: 3 hrs.**

**Title: Mountain Geography**  
**Max. Marks: 100**  
**(a) Minor Test-I: 20**  
**(b) Minor Test-II: 20**  
**(c) Major Test: 60**

**Scheme of Examination:**

MCQ on LMS + Subjective Test	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
Theory	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
Major test (after 90 days)	100%	3 hours	60
Total			100

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings:**

1. A.S Rawat : Alternative Farming system in Dry Temperate Zone of Himachal: Study of Kinnaur District, Indus publishing.
2. Harish Kapadia : Across Peaks and Passes in Darjeeling & Sikim, , Indus publishing
3. Prem Singh Jina Ladakh : Land and people, Indus publishing.
4. H.C Pokhriyal : Agrarian Economy of Central Himalaya, Indus publishing .
5. P.N Pande : Drudgery of the Hill Women, Indus publishing company.
6. Vir Singh & M.L Sharma (Eds): Mountain Ecosystem: A scenario of Unsustainability, Indus publishing
7. B.D Sharma & Tej Kumari Sharma (Eds) : Himalayan Natural Resources,
7. Itoo J (2004) Jammu and Kashmir at Glance.
8. Jasbir Singh: The Economy of Jammu & Kashmir, R.K. Anand & Co. Jammu, 2004.
9. K Warikoo (1976), Jammu, Kashmir & Ladakh : A classified Bibliography.
10. M.A. Stein (1982), Kalhana's Raja Larangani, The First Chromick Kashmir, 1 Bombay.
11. Majid Hussain, A Geography of Jammu & Kashmir. Ariana Publishing House New Delhi, 1985.
12. Somnath Dhar (1977), Jammu & Kashmir, NBT, Srinagar, Kesar Publishers.

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**M.A./M.SC. GEOGRAPHY, 2nd SEMESTER**  
**(Detailed syllabus for examination to be held in May 2027, 2028 & 2029)**

**Course Code: P1GETE202**  
**Credit: 4**

**Title: Gender Geography**  
**Max. Marks: 100**

**Objectives:**

The objective of this course is to analyse how gendered social processes linked to space, place and scale. The spatial processes related to gender identities, methodology to understand different perspectives of spatial constraints in cultural and intellectual context. It aims to generate to spatial concerns in human geography.

**Unit-I**

**Contract Hours**

- |   |     |
|---|-----|
| 1.1 Nature, Definition and Scope of Gender Geography. | (3) |
| 1.2 Place of Gender in Geography.                     | (3) |
| 1.3 Changing Social Attitude.                         | (3) |
| 1.4 Elements of Gender Geography.                     | (3) |

**Unit-II**

- |   |     |
|---|-----|
| 2.1 Concept of Feminism.  | (3) |
| 2.2 Radical and Social Feminism.                                  | (3) |
| 2.3 Phenomenologic and Humanistic Approaches in Gender Geography. | (3) |
| 2.4 Marxism and Gender.   | (3) |

**Unit-III**

- |   |     |
|---|-----|
| 3.1 Women Empowerment- Conceptual and Theoretical Framework | (3) |
| 3.2 Women Employment  | (3) |
| 3.3 Gender Health Care Facilities.                          | (3) |
| 3.4 Gender Literacy.  | (3) |

**Unit-IV**

- |   |     |
|---|-----|
| 4.1 Global Gender Variations in Developed and Developing Countries. | (3) |
| 4.2 Global Gender Conventions.                                      | (3) |
| 4.3 Legislations and Women's Rights in India.                       | (3) |
| 4.4 Gender Case Studies of Himalayan Region.                        | (3) |

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**Course Code: P1GETE202**

**Credit: 4**

**Duration of Examination: 3 hrs.**

**Title: Gender Geography**

**Max. Marks: 100**

**(a) Minor Test-I: 20**

**(b) Minor Test-II:20**

**(c) Major Test: 60**

**Scheme of Examination:**

<b>MCQ on LMS + Subjective Test</b>	<b>Syllabus to be covered in the examination</b>	<b>Time allotted for the examination</b>	<b>%Weightage (Marks)</b>
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
<b>Theory</b>	<b>Syllabus to be covered in the examination</b>	<b>Time allotted for the examination</b>	<b>%Weightage (Marks)</b>
Major test (after 90 days)	100%	3 hours	60
<b>Total</b>			<b>100</b>

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings:**

1. Kobayashi Audrey "Women, Work & Place" 1994.
2. Kobayashi Audrey, "Gender Place and Culture" 1994.
3. Legg Stephen "Gender Place and Culture" 2003.
4. Massey Doreen "Space Place and Gener" Minneapolis Universal of Minnesota Press, 1994.
5. Dowosh, Mona & Toni Seagar "Putting Women in Place: Feminist Geographers, Make Sense of the World, New York, 2001.
6. M.Satish & S. Corbridge "Doing Gender, Doing Geography, Emerging Research in India, New Delhi: Sage, 2006.
7. M.Satish & S. Corbridge "Doing Gender, Doing Geography, Emerging Research in India, New Delhi, Coutledge, 2001.
8. Prof. Anuradha Sharma "Space, Place and Gender Inequality" A Geographical Exploration of Tribal Women's well-being in the Cold Desert of Trans-Himalayan Region
9. Dr. Suman Kumari & Prof. Anuradha Sharma " In the Shadows of the Himalayas: Life Livelihoods and Legends

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M.A./M.SC. GEOGRAPHY, 2nd SEMESTER  
(Detailed syllabus for examination to be held in May 2027, 2028 & 2029)

Course Code: P1GETE203  
Credit: 4

Title: Agriculture Geography  
Max. Marks: 100

**Objectives:**

The course aims to make students understand the basic concepts of Agriculture Geography i.e. general landuse, agricultural landuse, cropping pattern, soil and crop relationships etc. The objectives of the paper / course are to understand relationships between physical nature of the region and overall agrarian practices.

<b><u>Unit-I</u></b>	<b><u>Contract Hours</u></b>
1.1 Nature, Scope and Significance of Agricultural Geography.	(3)
1.2 Approaches to the study of Agricultural Geography.	(3)
1.3 Origin and Development of Agricultural Geography.	(3)
1.4. Role of agriculture on human society	(3)
<b><u>Unit-II</u></b>	
2.1 Factors Affecting the Agricultural Land Use.	(3)
2.2 Agricultural Concept and their Measurement:	(3)
a. Cropping Pattern              b. Crop Concentration	
c. Crop Combination        d. Crop Diversification	
2.3 Agricultural Efficiency and Productivity	(3)
2.4 Regional Patterns of Agricultural Productivity in India	(3)
<b><u>Unit-III</u></b>	
3.1 Von Thunen's Model of Agricultural Location and its Modification.	(3)
3.2 Land Use Patterns in India	(3)
3.3 Green Revolution and Second generation reforms in Indian agriculture	(3)
3.4 Characteristics of India Agricultural	(3)
<b><u>Unit-IV</u></b>	
4.1 Basis of Classification of Agriculture in the World.	(3)
4.2 Agricultural Regionalization of India.	(3)
4.3 Agricultural planning and policies	(3)
4.4 Food Security and Nutrition.	(3)

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**Course Code: P1GETE203**  
**Credit: 4**  
**Duration of Examination: 3 hrs.**

**Title: Agriculture Geography**  
**Max. Marks: 100**  
**(a) Minor Test-I: 20**  
**(b) Minor Test-II:20**  
**(c) Major Test: 60**

**Scheme of Examination:**

MCQ on LMS + Subjective Test	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
Theory	Syllabus to be covered in the examination	Time allotted for the examination	%Weightage (Marks)
Major test (after 90 days)	100%	3 hours	60
Total			100

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings:**

1. Hussain M. Agricultural Geography, Inter India Publishing Delhi.
2. Singh Jasbir and Dhillon, S.S. Agricultural Geography, Tata Mc Graw Hill, New Delhi, 1991.
3. Singh Jasbir Agricultural Atlas of India – A Geographical Analysis, Vishal Publishers Kurukshetra, 1974.
4. Symons, L., Agricultural Geography, G. Bells and Sons, London, 1967.
5. Saur Carl, Agricultural Origins and Dispersal, American Geographical Society New York.

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**Course Code: P1GETE204**

**Title: Environmental Planning and Management**

**Credit: 4**

**Max. Marks: 100**

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**Objectives:**

The importance of conserving the environment to sustain ecological balance has been emphasized in the course. To study nature and facts about environment and finding and implementing scientific, technological, economic and political solutions to environmental problems.

The course also highlights the environmental problems with which the present modern world is facing and how to mitigate with these problems are being emphasized. Specific Planning and management of the environmental issues are focused in this course.

**Unit-I**

**Contract Hours**

- |   |     |
|---|-----|
| 1.1 Concept and components of environment                       | (3) |
| 1.2 Environment: Life support system                            | (3) |
| 1.3 Resource field and pollution sink                           | (3) |
| 1.4 Ecosystem: Concept, nature, components, functions and types | (3) |

**Unit-II**

- |   |     |
|---|-----|
| 2.1 Human Environment interaction: Environment and technology   | (3) |
| 2.2 Local, regional and global environmental problems; interconnections of these Environmental problems | (3) |
| 2.3 Environmental degradation and pollution   | (3) |
| 2.4 Resource evaluation and degradation   | (3) |

**Unit-III**

- |   |     |
|---|-----|
| 3.1 Planning and management: Concepts, functions, approaches and Processes                          | (3) |
| 3.2 Environmental Planning; Theory and process  | (3) |
| 3.3 Environmental Management: Steps and process   | (3) |
| 3.4 International commitments and national legal framework of Environmental Planning and management | (3) |

**Unit-IV**

- |  |     |
|--|-----|
| 4.1 Approaches to Environmental planning and management              | (3) |
| 4.2 Risk restoration and holistic: scales of planning and management | (3) |
| 4.3 Small community, urban, watershed and eco-region                 | (3) |
| 4.4 Techniques, EIA, GIS, Remote Sensing                             | (3) |

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**Course Code: P1GETE204**

**Title: Environmental Planning and Management**

**Credit: 4**

**Max. Marks: 100**

**Duration of Examination: 3 hrs.**

**(a) Minor Test-I: 20**

**(b) Minor Test-II: 20**

**(c) Major Test: 60**

**Scheme of Examination:**

<b>MCQ on LMS + Subjective Test</b>	<b>Syllabus to be covered in the examination</b>	<b>Time allotted for the examination</b>	<b>%Weightage (Marks)</b>
TEST I (after 30 days)	25%	1 hour	10 + 10
TEST II (after 60days)	26 to 50%	1 hour	10 + 10
<b>Theory</b>	<b>Syllabus to be covered in the examination</b>	<b>Time allotted for the examination</b>	<b>%Weightage (Marks)</b>
Major test (after 90 days)	100%	3 hours	60
Total			100

The student shall be continuously evaluated during the conduct of each course on the basis of his/her performance as follows:

**Test I and Test II**

The Subjective Test of Test I and Test II would consist of three short answer type questions (05 marks each). Students are required to answer two questions. **No preparatory holidays shall be provided for the Test I and Test II.** Those candidates who have appeared in Test I and Test II and failed to get the minimum required marks i.e. 14 out of 40 will be eligible to re-appear in the Test I and Test II only once.

**Major Test**

The Major test will comprise of two sections, Section-A and Section-B. Section-A will have one compulsory question comprising of 10 parts (minimum 02 from each unit) of 03 marks each. Section B will have 04 questions of 15 marks each to be set from the last two units (02 from each unit). In Section B students are required to attempt 01 question from each unit. **In major test there should not be a gap of more than two days in between two tests.**

**Suggested Readings:**

1. Barrow, C.J. (1999). Environmental Management: Principles and Practice. Routledge, New York.
2. DuPont, R.R., T.E. Baxter and L. Theodore, (1998). Environmental Management: Problems and Solutions, Lewis Publishers, Missouri.
3. Hanaki, K. (Ed.), (2008). Urban Environmental Management and Technology, Shinano inc. Springer.
4. Jeroen C.J.M. Vunder Bagh, K.J. Button and P.Nijkamp (2007). Environmental Planning. Edward Elgar. London.
5. Krishnamurthy, B.(2008). Environmental Management: Text and Cases, Prentice Hall of India Pvt. Ltd., New Delhi.
6. Madu, Christian N. (2007). Environmental Planning and Management, Imperial College Press, London.
7. Selma, P. (2008). Environmental Planning, Sage Publication India Ltd. New Delhi.

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**Course Code: P1GERC205**  
**Credit: 8**

**Title: Dissertation**  
**Max. Marks: 200**

**Objectives:**

1. To develop research aptitude among the students.
2. To provide comprehensive understanding of the technique involved in conducting research.
3. To develop creative and critical thinking skills among the students.
4. To enhance the ability of students to conduct research ethically and meticulously.
5. To prepare the students for future research endeavors.

**UNIT-I**

- 1.1 Research: Definition, Types (Pure and Applied), Classification.
- 1.2 Hypothesis, Theories, Laws and Models.
- 1.3 Research Question, Objectives and Significance of Research.
- 1.4 Research Design: Data Collection and Analysis.

**UNIT-II**

- 2.1 Recent Trends in Geographical Research: Physical and Human Geography.
- 2.2 Ethics in Scientific Research: Plagiarism Copyrights.
- 2.3 Sampling types and techniques
- 2.4 Presentation of Research Findings: Report Writing, Presentation and Formatting.

The Course on Dissertation shall comprise 200 marks ( External 100 marks and Internal 100 marks). The students shall prepare a dissertation on the topic given by research supervisor.

**Note for Paper Setters:**

<b>1</b>	<b>Internal</b>	<b>Break up of marks</b>
(i)	Test	25
(ii)	Subject Matter	15
(iii)	Methodology	15
(iv)	Attendance	15
(v)	Presentation	15
(vi)	Viva Voce	15
		<b>100</b>
<b>2</b>	<b>External</b>	
(i)	Test	25
(ii)	Practical Record/ Report	50
(ii)	Viva Voce	25
	Total:	<b>100</b>



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**Course Code: P1GERC205**  
**Credit: 8**

**Title: Dissertation**  
**Max. Marks: 200**

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**External Practical/ Research (thesis/project/patent) examination**

External Practical/ Research examination shall be conducted by Board of Examiners consisting of Head of the Department, one/two Senior Professors of concerned department, concerned teacher and outside expert to be appointed by the Vice-Chancellor out of the panel to be provided by the Head of the Department who shall evaluate/assess final practical performance/ dissertation of the students.

**Suggested Readings:**

1. Basotia G.R. & Sharma K.K., Research Methodology, 2002, Mangal Deep Publication, Jaipur.
2. Gosal G.S., Fourth Survey of Research in Geography, 1999, Manak Publication Pvt. Ltd., New Delhi.
3. Khanzod V.V., Research Methodology Techniques and Trends 1995, Aph. Publishing Co., New Delhi.
4. Mishra H.N. & Singh V.P., Research Methodology in Geography, 1988, Rawat Publication, New Delhi.
5. Nachmias D. & Nachmias C., Research Methodology in Social Science, 1981, St. Martin's Press, New York.



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**(Detailed syllabus for examination to be held in May 2027, 2028 & 2029)**

**Course Code: P1GERC206**  
**Credit: 4**

**Title: Field Study Tour**  
**Max. Marks: 100**

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**Objective**

The objective of the study to acquaint the students with physical cultural and social aspects through observation method of the different geographical aspects and finally preparing the report. The student develop their social academic and research skills during their visit in different climatic and physical landscapes.

1. The Field Study Tour shall be compulsory for all the 4<sup>th</sup> Semester students.
2. The Field Study Tour shall be conducted at the end of the 3<sup>rd</sup> Semester Examination and before the beginning of the 4<sup>th</sup> Semester class work.
3. The Departmental Affairs Committee shall appoint a Course Coordinator for the conduct of the Tour.
4. The Course Coordinator in consultation with the Departmental Affairs Committee shall choose any of the following Tour Circuits:
  - Circuit I : Jammu- Kathgodam, Nanital, Ranikhet
  - Circuit II -Jammu-Delhi-Jaipur, Jaisalmer
  - Circuit III- Jammu-Delhi, Bangalore, Muysor, Goa
  - Circuit-IV- Jammu-Chennai-Kanyakumri, Trivandrum- Delhi- Jammu
  - Circuit-V- Jammu-Dharmshala-Mcleodganj-Dalhousie-Khajjiar
5. The Field Study Tour shall be evaluated both externally and internally.
6. The Course Coordinator shall act as the Internal Examiner.
7. The External Examiner shall be appointed from a Panel of Examiners duly approved by the Competent Authority.
8. The candidates shall be required to write a Tour Report covering the following aspects:
  - i) Physiography
  - ii) Human Resources and Settlement
  - iii) Urban Structure and Process
  - iv) Industrialization
  - v) Transport Connectivity

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**Course Code: P1GERC206**  
**Credit: 4**  
**Duration of Examination: 4 hrs.**

**Title: Field Study Tour**  
**Max. Marks: 100**  
**(a) Internal: 50**  
**(b) External: 50**

**Note for Paper Setters:**

		<b>Break up of marks</b>
<b>1</b>	<b>Internal</b>	
(i)	Subject Matter	10
(ii)	Methodology	10
(iii)	Attendance	10
(iv)	Presentation	10
(v)	Viva Voce	10
		<b>50</b>
<b>2</b>	<b>External</b>	
(i)	Practical Record/ Report	30
(ii)	Viva Voce	20
		<b>50</b>
	<b>Total:</b>	<b>100</b>

**External Practical/ Research (thesis/project/patent) examination**

External Practical/ Research examination shall be conducted by Board of Examiners consisting of Head of the Department, one/two Senior Professors of concerned department, concerned teacher and outside expert to be appointed by the Vice-Chancellor out of the panel to be provided by the Head of the Department who shall evaluate/assess final practical performance/ dissertation of the students.

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**Course Code: P1GERC207**

**Title: Applications of Remote Sensing and  
GIS in Geographical Research  
Max. Marks: 100**

**Credit: 4**

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**Objectives:**

- The main objective of this course is to develop skills of application of Remote Sensing and GIS in Physical and Human Geography by using Arc View, Arc GIS and ERDAS Imagine Software.
- It intends to enable students to comprehend the application of RS & GIS in natural resource management, human settlement, regional development and planning, Environmental management and disaster management.

**Unit-I**

Application of Remote Sensing and GIS in Physical and Human Geography with special reference to Natural Resource Management, Human Settlement, Regional Development and Planning, Environmental Management and Disaster Management.

**Unit-II**

Based on above applications, prepare a project report by using Remote Sensing and GIS

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**(Detailed syllabus for examination to be held in May 2027, 2028 & 2029)**

**Course Code: P1GERC207**

**Title: Applications of Remote Sensing and  
GIS in Geographical Research**  
**Max. Marks: 100**

**Credit: 4**

**Note for Paper Setters:**

		Break up of marks
1	Internal	
(i)	Subject Matter	10
(ii)	Methodology	10
(iii)	Attendance	10
(iv)	Presentation	10
(v)	Viva Voce	10
2	External	
(i)	Practical Record/ Report	30
(ii)	Viva Voce	20
	<b>Total:</b>	<b>100</b>

**External Practical/ Research (thesis/project/patent) examination**

External Practical/ Research examination shall be conducted by Board of Examiners consisting of Head of the Department, one/two Senior Professors of concerned department, concerned teacher and outside expert to be appointed by the Vice-Chancellor out of the panel to be provided by the Head of the Department who shall evaluate/assess final practical performance/ dissertation of the students.

**Suggested Readings:**

1. Barret, EC & Corlis, E.F. The Built Environment in Remote of Environment Second Edition PP. 293-306, 1982.
2. Muralikrishna, I.V. Remote Sensing Applications and Geographic Information System – Recent Trends, Tata McGraw Hill, New Delhi, 1992.
3. Nag, Prithvish. Thematic Cartography and Remote Sensing, Concept Publication, New Delhi, 1992.
4. Richardson, B.F. (ed). Introduction to Remote Sensing of the Environment, Kendall/Hunt, Dobuque, Iowa, 1978.
5. Agarwal, C.S. and P.K. Garg. Text Book on RS in Natural Resources Monitoring and Management, Wheeler Publishing Co, New Delhi-2000.
6. Townsend, J. R. G. Terrain Analysis and RS, George Allen and Onloin, 1981.
7. Vestappen, H. Remote Sensing in Geomorphology, Elseiver Scientific Published, Netherlands, 1977.
8. Verbyla, David, L. Satelite Remote Sensing of Natural Resources, Lewis Publishers, New York, 2005.

