



UNIVERSITY OF JAMMU

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

Academic Section

Email: academicsectionju14@gmail.com

NOTIFICATION (22/Oct./Adp/56)

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 Study in the subject of **Geography** of Semesters **Ist** and **IInd** for **Four Year Under Graduate Programme** under the **Choice Based Credit System** as per **NEP-2020** (as given in the annexure) for the examinations to be held in the years as per the details given below:

Subject	Semester	for the examination to be held in the years
Geography	Semester-I	December 2022, 2023 and 2024
	Semester-II	May 2023, 2024 and 2025

The Syllabi of the courses are available on the University website: www.jammuuniversity.ac.in

Sd/-
DEAN ACADEMIC AFFAIRS

No. F. Acd/II/22/7774-7833

Dated: 3-10-2022

Copy for information and necessary action to:

1. Special Secretary to the Vice-Chancellor, University of Jammu for information of Hon'ble Vice-Chancellor
2. Dean, Faculty of Science
3. Head/Convener, Board of Studies in **Geography**
4. Sr. P.A. to the Controller of Examinations
5. All members of the Board of Studies
6. Confidential Assistant to the Controller of Examinations
7. I/C Director, Computer Centre, University of Jammu
8. Deputy Registrar/Asst. Registrar (Conf. /Exams. UG/ Exam Eval Non-Prof/CDC)
9. Incharge, University Website for Uploading of the notification

Sumitasharma
Deputy Registrar (Academic) 3/10/22

SS 3/10/22
AAE 3/10
M 103/10/22

UNIVERSITY OF JAMMU

SYLLABI AND COURSES OF STUDY IN GEOGRAPHY

For the examination to be held in December 2022, 2023, 2024

UG B.A./B.SC SEMESTER-I

UNDER NEP-2020

S.No.	Course Type	Course No.	Course Title	Credits	Marks				Total Marks
					Theory		Practical/Tutorial		
1	Major	UMJGOT101	Physical Geography	4 (3Th.+1P/T)	Mid Sem. 15 Marks	End Exam. 60 Marks.	Assessment 10 Marks	Final Ext. Exam. 15 Marks	100
2	Minor	UMIGOT102	Basics of Physical Geography	4 (3Th.+1P/T)	Mid Sem. 15 Marks	End Exam. 60 Marks.	Assessment 10 Marks	Final Ext. Exam. 15 Marks	100
3	Multidisciplinary Course	UMDGO103	Introduction to Geography	3	Mid Sem. 15 Marks	End Exam. 60 Marks.	NA	NA	75
4	Skill Enhancement Course	USEGOT104	Tourist Guide	2	Mid Sem. 10 Marks	End Exam. 40 Marks.	NA	NA	50

Sharma
Jain

University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- I
Subject: Geography
(Examination to be held in December 2022, 2023, 2024)
Major Course

Duration of Exam: 3 hours

Credits: 4(3Th.+1P/T)

Course Code:	UMJGOT101
Course Title:	Physical Geography
Credits:	4 (3Th +1P/T)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final External Examination: 15 Marks

PART – 1: THEORY

Note: The objective of this course is to introduce the latest concepts of Physical Geography essentially the basics of Geography.

Unit – 1

- 1.1. Definition, Nature and Scope of Geography
- 1.2. Divisions of Geography.
- 1.3. Relationship of Geography with other Discipline.
- 1.4. Components of Physical Geography.

Unit - II

- 2.1. Origin of Solar System- Nebular Hypothesis
- 2.2. Planestimal Hypothesis.
- 2.3. Big Bang Theory
- 2.4. Theory of Continental Drift

Unit - III

- 3.1. Interior of Earth
- 3.2. Earthquakes: Causes, Effects and Distribution.
- 3.3. Volcanoes: Causes, Effects and Distribution.
- 3.4. Rocks and their Types.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- I
Subject: Geography
(Examination to be held in December 2022, 2023, 2024)
Major Course
Duration of Exam: 3 hours **Credits: 4**

Unit – IV

- 4.1. Earth Movements
- 4.2. Weathering and its Types.
- 4.3. Process of Denudation
- 4.4. Landslides and Avalanches: Types and Causes.

NOTE FOR PAPER SETTING:

There will be two sections in the end examination:

Section “A” shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks.

Section “B” shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Books Recommended

1. Monkhouse, F.J: Principles of Physical Geography' Hodder and Stoughton, London, 1960.
2. Singh, S: Physical Geography, Prayag Pustak Bhawan, 1998.
3. Strahler, A.N, Environmental Geo Science, Hamillon Santa Barbara, 1 973,
4. Stahler, A. N., and Stahler. A. H., Modern Physical Geography Wiley and Sons, Revised Edition, 1992.
5. Thornbury W.D., Principles of Geomorphology' Wiley 1969.
Wooldrige S.W. and Morgan, R.S., The Physical Basis of Geography and Geomorphology, Longman Green & Co. London' 1959



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- I
Subject: Geography
(Examination to be held in December 2022, 2023, 2024)
Major ~~Minor~~ Course
Duration of Exam: 1½ hours Credits: 4(3Th.+1P/T)

PART – 2: PRACTICALS

Unit – I: Introduction to Cartography

- 1.1 Definition, Nature and Scope of Cartography
- 1.2. Map: definition, classification and essentials of Maps.
- 1.3. Scale: Definition, Types and Methods of Representation.

Unit- II: - Scales

- 2.1. Construction of Plain Scale
- 2.2. Construction of Comparative Scale
- 2.3. Construction of Diagonal Scale (Two exercises for each scale)

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

a. Internal Marks: 10

Daily Performance: 05 Marks

Written Test: 05 marks

b. External Marks: 15

Written Test: 10 Marks

Copy and Viva: 5 Marks

External Practical test will be conducted in one session. Question paper will be set from two units. Two questions from each unit will be asked and students are required to attempt one question from each unit. Each question carries 5 marks.

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson, A.H. et.al: Elements of Cartography, John Wiley & Sons USA. 1995.
4. Sarkar, A., Practical Geography: A Systematic Approach' Logman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.

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University of Jammu
 Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
 B.A./B.Sc. Semester- I
 Subject: Geography
 (Examination to be held in December 2022, 2023, 2024)
 Minor Course
 Duration of Exam: 3 hours Credits: 4(3Th.+1P/T)

Course Code:	UMIGOT102
Course Title:	Basics of Physical Geography
Credits:	4 (3Th +1P/T)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final External Examination: 15 Marks

PART – 1: THEORY

Note: The objective of this course is to introduce the latest concepts of Physical Geography essentially the basics of Geography.

Unit – 1

- 1.1. Definition, Nature and Scope of Geography
- 1.2. Divisions of Geography.
- 1.3. Relationship of Geography with other Discipline.
- 1.4. Components of Physical Geography.

Unit - II

- 2.1. Origin of Solar System- Nebular Hypothesis
- 2.2. Planestimal Hypothesis.
- 2.3. Big Bang Theory
- 2.4. Theory of Continental Drift

Unit - III

- 3.1. Interior of Earth
- 3.2. Earthquakes: Causes, Effects and Distribution.
- 3.3. Volcanoes: Causes, Effects and Distribution.
- 3.4. Rocks and their Types.

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University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- I
Subject: Geography
(Examination to be held in December 2022, 2023, 2024)
Minor Course
Duration of Exam: 3 hours **Credits: 4(3Th.+1P/T)**

Unit – IV

- 4.1. Earth Movements
- 4.2. Weathering and its Types.
- 4.3. Process of Denudation
- 4.4. Landslides and Avalanches: Types and Causes.

NOTE FOR PAPER SETTING:

There will be two sections in the end examination:

Section “A” shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks.
Section “B” shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Books Recommended

1. Monkhouse, F.J: Principles of Physical Geography' Hodder and Stoughton, London, 1960.
2. Singh, S: Physical Geography, Prayag Pustak Bhawan, 1998.
3. Strahler, A.N, Environmental Geo Science, Hamillon Santa Barbara, 1 973.
4. Stahler, A. N., and Stahler. A. H., Modern Physical Geography Wiley and Sons, Revised Edition, 1992.
5. Thornbury W.D., Principles of Geomorphology' Wiley 1969.
Wooldrige S.W. and Morgan, R.S., The Physical Basis of Geography and Geomorphology, Longman Green & Co. London' 1959



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- I
Subject: Geography
(Examination to be held in December 2022, 2023, 2024)
Minor Course
Duration of Exam: 1 ½ hours **Credits: 4(3Th.+1P/T)**

PART – 2: PRACTICALS

Unit – I: Introduction to Cartography

- 1.1. Definition, Nature and Scope of Cartography
- 1.2. Map: definition, classification and essentials of Maps.
- 1.3. Scale: Definition, Types and Methods of Representation.

Unit- II: - Scales

- 2.1. Construction of Plain Scale
- 2.2. Construction of Comparative Scale
- 2.3. Construction of Diagonal Scale (Two exercises for each scale)

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

a. Internal Marks: 10

Daily Performance: 05 Marks

Written Test: 05 Marks

b. External Marks: 15

Marks Test: 10 Marks

Copy and Viva: 5 Marks

External practical test will be conducted in one session. Question paper will be set from two units. Two questions from each unit will be asked and students are required to attempt one question from each unit. Each question carries 5 marks.

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson, A.H. et.al: Elements of Cartography, John Wiley & Sons USA. 1995.
4. Sarkar, A., Practical Geography: A Systematic Approach' Logman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- I
Subject: Geography
(Examination to be held in December 2022, 2023, 2024)
Multidisciplinary Course
Duration of Exam: 3 hours **Credits: 4(3Th.+1P/T)**

Course Code:	UMDGOT103
Title:	Introduction to Geography
Credits:	3
Duration of Exam (Theory):	3 Hours
Total Marks:	75
End Semester Exam (Theory):	End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks

Note: The objective of this course is to introduce the latest concepts of Physical Geography essentially the basics of Geography.

Unit- 1

- 1.1. Definition of Geography
- 1.2. Nature and Scope of Geography
- 1.3. Sub divisions of Geography
- 1.4. Relationship of Geography with other Discipline

Unit - II

- 2.1. Earthquakes: Cause and Distribution
- 2.2. Volcanoes: Cause and Distribution
- 2.3. Weathering and its Types
- 2.4. Rocks and Their Types

Unit - III

- 3.1. Concept of Rotation of Earth
- 3.2. Change of Seasons
- 3.3. Concept of Longitude, Latitude and International Date Line
- 3.4. Time Zones

Unit - IV

- 4.1. Eclipses
- 4.2. Tides
- 4.3. Phases of Moon
- 4.4. Tsunami



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- I
Subject: Geography
(Examination to be held in December 2022, 2023, 2024)
Multidisciplinary Course
Duration of Exam: 3 hours **Credits: 4(3Th.+1P/T)**

NOTE FOR PAPER SETTING:

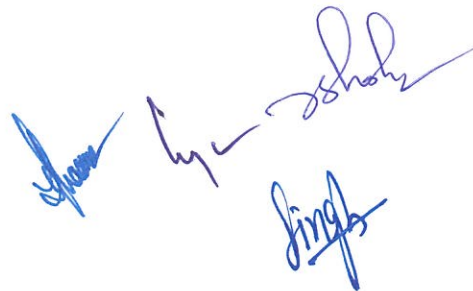
There will be two sections in the end examination:

Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks.

Section "B" shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Books Recommended

1. Monkhouse, F.J: Principles of Physical Geography' Hodder and Stoughton, London, 1960.
2. Singh, S: Physical Geography, Prayag Pustak Bhawan, 1998.
3. Strahler, A.N, Environmental Geo Science, Hamillon Santa Barbara, 1 973,
4. Stahler, A. N., and Stahler. A. II , Modem Physical Geography Wiley and Sons, Revised Edition, 1992.
5. Thornbury W.D., Principles of Geomorphology' Wiley 1969.
Wooldrige S.W. and Morgan, R.S., Te Physical Basis of Geography and Geomorphology, Longman Green & Co. London' 1959



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- I
Subject: Geography
(Examination to be held in December 2022, 2023, 2024)
Skill Enhancement Course
Duration of Exam: 2 ½ hours **Credits: 4(3Th.+1P/T)**

Course Code:	USEGOT104
Course Title:	Tourist Guide
Credits:	2
Total Marks:	50
Duration End Semester Exam	2 ½ Hours
End Semester Exam	50 Marks End Exam: 40 Marks Mid Semester Assessment Test : 10 Marks

UNIT- 1: Concept of Tourism

1. Concepts and definition of Geography of Tourism.
2. Nature and Scope Geography of Tourism.
3. Inter-Relationships of Tourism, Recreation and Leisure.
4. Difference between Pilgrimage and tourism and Heritage tourism.

UNIT- 2: Apprise with the Tourism industry

1. Various tourist places/industries in the area.
2. Methods of Collection the data regarding tourism.
3. Tabulation and interpretation of collected data.
4. Familiarize with the Significance of Training in the Tourist industry.

UNIT- 3: Assess the types of tourists visiting different places and ascertain their needs.

1. Conduct a survey of any place of tourist interest in District to know about their perceptions about availability of accommodation, transportation & other infrastructure facilities.
2. Assess the demand, infrastructure facilities etc.
3. Types of tourist visiting different places.
4. Prepare a Report.



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B.A./B.Sc. Semester- I
Subject: Geography
(Examination to be held in December 2022, 2023, 2024)
Skill Enhancement Course
Duration of Exam: 2½ hours Credits: 4(3Th.+1P/T)

NOTE FOR PAPER SETTING/ MODE OF EXAMINATION:

There will be two sections in the end examination:

Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of two and half (2½) marks.

Section "B" shall consist of Six (6) long answer questions having two questions from each unit. The students are required to attempt Three (3) questions selecting one question from each unit. Each question shall carry Ten (10) Marks.

Books Recommended

1. Dhar, P.N. (2006) International Tourism: Emerging Challenges and Future Prospects. Kanishka, New Delhi.
2. Hall, M. and Stephen, P. (2006) Geography of Tourism and Recreation – Environment, Place and Space, Routledge, London.
3. Kamra, K. K. and Chand, M. (2007) Basics of Tourism: Theory, Operation and Practise, Kanishka Publishers, Pune.
4. Page, S. J. (2011) Tourism Management: An Introduction, Butterworth-Heinemann- USA.



UNIVERSITY OF JAMMU

SYLLABI AND COURSES OF STUDY IN GEOGRAPHY

For the examination to be held in May 2023, 2024, 2025

UG B.A./B.SC SEMESTER-II

UNDER NEP-2020

S.No.	Course Type	Course No.	Course Title	Credits	Marks				Total Marks
					Theory		Practical/Tutorial		
1	Major	UMJGOT201	Human Geography	4 (3Th.+1P/T)	Mid Sem. 15 Marks	End Exam. 60 Marks.	Assessment 10 Marks	Final Ext. Exam. 15 Marks	100
2	Minor	UMIGOT202	Basics of Human Geography	4 (3Th.+1P/T)	Mid Sem. 15 Marks	End Exam. 60 Marks.	Assessment 10 Marks	Final Ext. Exam. 15 Marks	100
3	Multidisciplinary Course	UMDGO203	Introduction to Human Geography	3	Mid Sem. 15 Marks	End Exam. 60 Marks.	NA	NA	75
4	Skill Enhancement Course	USEGOT204	Tourist Escort	2	Mid Sem 10 Marks	End Exam. 40 Marks.	NA	NA	50

University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- II
Subject: Geography
(Examination to be held in May 2023, 2024, 2025)
Major Course
Duration of Exam: 3 hours **Credits: 4(3Th.+1P/T)**

Course Code:	UMJGOT201
Course Title:	Human Geography
Credits:	4 (3Th +1P/T)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final External Examination: 15 Marks

PART – 1: THEORY

Note: The objective of this course is to introduce the latest concepts of Human Geography essentially the basics of Human Geography.

Unit – 1

- 1.1 Definition, Nature and Scope of Human Geography.
- 1.2 Determinism Verses Possibilism.
- 1.3 Systematic Geography Verses Regional Geography.
- 1.4 Human Development Index.

Unit - II

- 2.1. Distribution and Density of Population in the World.
- 2.2. Growth of Population.
- 2.3. Factor affecting the Distribution and Density of Population.
- 2.4. Concept of Over, Under and Optimum Population.

Unit - III

- 3.1. Types and Patterns of Settlements.
- 3.2. Functional Classification of Towns.
- 3.3. Patterns of Urbanization in the World.
- 3.4. Problems and Remedies of Urbanization.

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Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- II
Subject: Geography
(Examination to be held in May 2023, 2024, 2025)
Major Course
Duration of Exam: 3 hours Credits: 4(3Th.+1P/T)

Unit – IV

- 4.1. Meaning and Definition of Resources.
- 4.2. Classification of Resources.
- 4.3. Conservation of Resources.
- 4.4. Concept and Meaning of Sustainable Development

NOTE FOR PAPER SETTING:

There will be two sections in the end examination:

Section “A” shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks.

Section “B” shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Books Recommended

1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
2. Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
3. Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
4. Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
5. Dr. Alka Chowhan : Geography of Resources, Sharda Pustak Bhawan Allaahabad.
6. Ghosh, S. (2015) Introduction to settlement geography. Orient Black Swan Private Ltd., Kolkata.
7. Hussain, Majid (2010) Human Geography.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- II
Subject: Geography
(Examination to be held in May 2023, 2024, 2025)
Major Course
Duration of Exam: 1 ½ hours **Credits: 4(3Th.+1P/T)**

PART – 2: PRACTICALS

Unit – I: Introduction Survey

- 1.1 Definition and Meaning of Survey
- 1.2 Classification of Survey
- 1.3 Principles of Survey and Surveying

Unit- II: - Chain and Tape Survey

- 2.1. Instruments in Chain and Tape Survey
- 2.2. Field Book and Field Exercises (At least two)
- 2.3. Physical Field Survey (Observation only)

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

a. Internal Marks: 10

Daily Performance: 05 Marks
Written Test: 05 Marks

b. External Marks: 15

Marks Test: 10 Marks
Copy and Viva: 5 Marks

External practical test will be conducted in one session. Question paper will be set from two units. Two questions from each unit will be asked and students are required to attempt one question from each unit. Each question carries 5 marks.

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K.; Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson, A.H. et.al: Elements of Cartography, John Wiley & Sons USA. 1995.
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5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.

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Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- II
Subject: Geography
(Examination to be held in May 2023, 2024, 2025)
Minor Course
Duration of Exam: 3 hours **Credits: 4(3Th.+1P/T)**

Course Code:	UMJGOT 202
Course Title:	Basis of Human Geography
Credits:	4 (3Th +1P/T)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final External Examination: 15 Marks

PART – 1: THEORY

Note: The objective of this course is to introduce the latest concepts of Human Geography essentially the basics of Human Geography.

Unit – 1

- 1.1. Definition, Nature and Scope of Human Geography.
- 1.2. Determinism Verses Possibilism.
- 1.3. Systematic Geography Verses Regional Geography.
- 1.4. Human Development Index.

Unit - II

- 2.1. Distribution and Density of Population in the World.
- 2.2. Growth of Population.
- 2.3. Factor affecting the Distribution and Density of Population.
- 2.4. Concept of Over, Under and Optimum Population.

Unit - III

- 3.1. Types and Patterns of Settlements.
- 3.2. Functional Classification of Towns.
- 3.3. Patterns of Urbanization in the World.
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Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- II
Subject: Geography
(Examination to be held in May 2023, 2024, 2025)
Minor Course
Duration of Exam: 3 hours **Credits: 4(3Th.+1P/T)**

Unit – IV

- 4.1. Meaning and Definition of Resources.
- 4.2. Classification of Resources.
- 4.3. Conservation of Resources.
- 4.4. Concept and Meaning of Sustainable Development.

NOTE FOR PAPER SETTING:

There will be two sections in the end examination:

Section “A” shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks.

Section “B” shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Books Recommended

1. Chandna, R.C. (2010). Population Geography, Kalyani Publisher.
2. Daniel, P.A. and Hopkinson, M.F. (1989). The Geography of Settlement, Oliver & Boyd, London.
3. Johnston R; Gregory D, Pratt G. et al. (2008). The Dictionary of Human Geography, Blackwell Publication.
4. Jordan-Bychkov et al. (2006). The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
5. Dr. Alka Chowhan: Geography of Resources, Sharda Pustak Bhawan Allaahabad.
6. Ghosh, S. (2015) Introduction to Settlement Geography. Orient Black Swan Private Ltd., Kolkata.
7. Hussain, Majid (2010). Human Geography.



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B.A./B.Sc. Semester- II
Subject: Geography
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Minor Course
Duration of Exam: 1 ½ hours **Credits: 4(3Th.+1P/T)**

PART – 2: PRACTICALS

Unit – I: Representation of Relief, Construction and Interpretation

- 1.1. Qualitative methods of representation for showing relief feature: Hachure, Layer tinting, Hill shading
- 1.2. Quantitative methods of representation for showing relief feature: Spot height, Bench Marks, Forms Lines.
- 1.3. Representation of Relief Features with the help of Contours – V shaped valley, U shaped Valley, Conical Hill, Plateau and Slopes.

Unit- II: Representation of Data

- 2.1. Types of graphic representation of geographical data.
- 2.2. Representation of Temperature and Rainfall Data with the help of Line graph and its interpretation.
- 2.3. Representation of Temperature and Rainfall Data with the help Bar graph and its interpretation.

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

a. Internal Marks: 10

Daily Performance: 05 Marks
Written Test: 05 Marks

b. External Marks: 15

Marks Test: 10 Marks
Copy and Viva: 5 Marks

External practical test will be conducted in one session. Question paper will be set from two units. Two questions from each unit will be asked and students are required to attempt one question from each unit. Each question carries 5 marks.

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson, A.H. et.al: Elements of Cartography, John Wiley & Sons USA. 1995.
4. Sarkar, A., Practical Geography: A Systematic Approach' Logman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- II
Subject: Geography
(Examination to be held in May 2023, 2024, 2025)
Multidisciplinary Course
Duration of Exam: 2½ hours Credits: 4(3Th.+1P/T)

Course Code:	UMDGOT203
Title:	Introduction to Human Geography
Credits:	3
Total Marks:	75
Duration End Semester Exam (Theory):	2½ Hours
End Semester Exam (Theory):	75 Marks End Term Exam: 60 Marks Internal Assessment : 15 Marks

Note: The objective of this course is to introduce the latest concepts of Physical Geography essentially the basics of Human Geography.

Unit- 1

- 1.1 Definition of Human Geography.
- 1.2 Distribution and Density of Population in the World.
- 1.3 Growth of Population.
- 1.4 Factors responsible for uneven distribution of Population in the World.

Unit - II

- 2.1. Meaning and Definition of Migration.
- 2.2. Types of Migration.
- 2.3. Causes of Migration.
- 2.4. Effects of Migration.

Unit - III

- 3.1. Concept of Economic Activities.
- 3.2. Types of Economic Activities.
- 3.3. Factor affecting Economic Activities.
- 3.4. Population – Resource Regions of the World.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- II
Subject: Geography
(Examination to be held in May 2023, 2024, 2025)
Multidisciplinary Course
Duration of Exam: 2½ hours Credits: 4(3Th.+1P/T)

Unit - IV

- 4.1. Definition and Meaning of Recourses.
- 4.2. Classification of Resources.
- 4.3. Methods of Conversation of Resources.
- 4.4. Concept Sustainable Development.

NOTE FOR PAPER SETTING:

There will be two sections in the end examination:

Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks.

Section "B" shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Books Recommended

1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
2. Dr. Alka Chowhan : Geography of Resources, Sharda Pustak Bhawan Allaahabad.
3. Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
4. Johnston R; Gregory D, Pratt G. et al. (2008). The Dictionary of Human Geography, Blackwell Publication.
5. Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
6. Kaushik, S.D. (2010) Manav Bhugol, Rastogi Publication, Meerut.
7. Maurya, S.D. (2012) Manav Bhugol, Sharda Pustak Bhawan. Allahabad.
8. Ghosh, S. (2015) Introduction to settlement geography. Orient Black Swan Private Ltd., Kolkata.
9. Hussain, Majid (2012) Manav Bhugol. Rawat Publications, Jaipur.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- II
Subject: Geography
(Examination to be held in May 2023, 2024, 2025)
Skill Enhancement Course
Duration of Exam: 2½ hours Credits: 4(3Th.+1P/T)

Course Code:	USEGOT204
Title:	Tourist Escort
Credits:	2
Total Marks:	50
Duration End Semester Exam	01 Hours
End Semester Exam	50 Marks End Term Exam: 40 Marks Internal Assessment : 10 Marks

UNIT – I:

1. Geographical Parameters of Tourism by Robinson.
2. Type of Tourism: Natural Cultural, Medical Tourism.
3. Recent Trends of Tourism: International and Regional, Domestic (India).
4. Impact of Tourism: Economy; Environment; Society.

UNIT – II

1. **Apprise with the bookings, cancellations and changing of air tickets & the concessions given:** Visit to the office of an airline/travel agency. Study working in respect of bookings, cancellations and changing of air tickets & the concessions given in different respect.
2. **Carryout the registration procedure of different types of vehicles, the formalities involved etc.:** Visit the office of regional transport office. Learn the registration procedure of different types of vehicles, the formalities involved etc.
3. **Prepare handouts on present & future tourism zones as specified by WTO, IATA, Geography, PATA areas.** Prepare handouts on present & future tourism zones as specified by WTO, IATA, Geography, PATA areas, Identify tourist generating regions in India and preferred tourist destinations.
4. **Carryout survey of tourists at a tourist place:** to prepare their profile and arrange site-seeing tours to local boys and girls to a tourist place. Make a survey of tourists at a tourist place, Prepare their profile, Arrange site-seeing tours to local boys and girls to a tourist place. Communication skill, imparting running comments of the area concerned.

University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
B.A./B.Sc. Semester- II
Subject: Geography
(Examination to be held in May 2023, 2024, 2025)
Multidisciplinary Course
Duration of Exam: 2½ hours **Credits: 4(3Th.+1P/T)**

UNIT- 3

1. **Perform pre preparations for the tour:** interact with the tour operator, understand the travel requirements, destination and the dates of travel, obtain the necessary travel documents such as itenary, customer details, etc. understand the type of tour the customer is interested such as religious, cultural, heritage, leisure, etc. from the itenary.
2. **Escort the customers and narrate the tour highlights:** contact the customers to provide personal details, coordinate for the meet point and the time of meet, register the details of the customers.
3. **Finish the tour:** coordinate with the tour operator on the cost assigned, prepare an invoice to the payment collected, prepare the various incomes and expenses arrived during the tour.
4. **Make of report**

NOTE FOR PAPER SETTING/ MODE OF EXAMINATION:

There will be two sections in the end examination:

Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of two and half (2½) marks.

Section "B" shall consist of Six (6) long answer questions having two questions from each unit. The students are required to attempt Three (3) questions selecting one question from each unit. Each question shall carry Ten (10) Marks.

Books Recommended

1. Dhar, P.N. (2006) International Tourism: Emerging Challenges and Future Prospects. Kanishka, New Delhi.
2. Hall, M. and Stephen, P. (2006) Geography of Tourism and Recreation – Environment, Place and Space, Routledge, London.
3. Kamra, K. K. and Chand, M. (2007) Basics of Tourism: Theory, Operation and Practise, Kanishka Publishers, Pune.
4. Page, S. J. (2011) Tourism Management: An Introduction, Butterworth- Heinemann- USA.
5. Raj, R. and Nigel, D. (2007) Morpeth Religious Tourism and Pilgrimage Festivals Management: An International perspective by, CABI, Cambridge, USA.
6. Tourism Recreation and Research Journal, Center for Tourism Research and Development, Lucknow.
7. Singh Jagbir (2014) "Eco-Tourism" Published by - I.K. International Pvt. Ltd.





UNIVERSITY OF JAMMU

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

Academic Section

Email: academicsectionju14@gmail.com

NOTIFICATION

(23/May/Adp./23)

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 Study in the subject of **Geography** of Semesters **IIIrd** and **IVth** for **Four Year Under Graduate Programme** under the **Choice Based Credit System** as per **NEP-2020** (as given in the annexure) for the examinations to be held in the years as per the details given below:

Subject	Semester	for the examination to be held in the years
Geography	Semester-III	December 2023, 2024 and 2025
	Semester-IV	May 2024, 2025 and 2026

The Syllabi of the courses is available on the University website: www.jammuuniversity.ac.in

Sd/-
DEAN ACADEMIC AFFAIRS

No. F. Acd/II/23/2959-2970

Dated: 16-5-2023

Copy for information and necessary action to:

1. Dean, Faculty of Science
2. Convener, Board of Studies in Geography
3. Sr. P.A. to the Controller of Examinations
4. All members of the Board of Studies
5. Confidential Assistant to the Controller of Examinations
6. I/C Director, Computer Centre, University of Jammu
7. Deputy Registrar/Asst. Registrar (Conf. /Exams. UG/Eval Non-Prof)
- ✓ 8. Incharge, University Website for Uploading of the notification.

Sumit Sharma
Deputy Registrar (Academic)
15/5/23

SS
14/5/23

CS
12/5

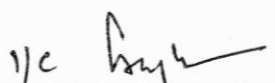
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Semester-III

S. No.	Course Type	Course No.	Course Title	Credits	Marks				Total Marks
					Theory		Practical/Tutorial		
					Mid.Sem 15 marks	End Exam 60 marks	Assess- ment 10 marks	Exam. 15 marks	
1	Major	UMJGOT301	Geomorphology	3Th+1P	15	60	10	15	100
2	Major	UMJGOT302	Climatology	3Th+1P	15	60	10	15	100
3	Minor	UMIGOT303	Climatology	3Th+1P	15	60	10	15	100
4	Multi-disciplinary	UMDGOT304	Geography of Jammu, Kashmir and Ladakh	3	15	60	-	-	75
5	Skill Enhancement	USEGOT305	Surveyor	2	10	40	-	-	50

Semester-IV

S. No.	Course Type	Course No.	Course Title	Credits	Marks				Total Marks
					Theory		Practical/Tutorial		
					Mid.Sem 15 marks	End Exam 60 marks	Assess- ment 10 marks	Exam. 15 marks	
1	Major	UMJGOT401	Oceanography	3Th+1P	15	60	10	15	100
2	Major	UMJGOT402	Resource Geography of Union territory of Jammu and Kashmir	3Th+1P	15	60	10	15	100
3	Major	UMJGOT403	Geography of Resources	3Th+1P	15	60	10	15	100
4	Major	UMJGOT404	Geography of Agriculture	3Th+1P	15	60	10	15	100
5	Minor	UMIGOT405	Geography of Union territory of Jammu and Kashmir	3Th+1P	15	60	10	15	100


HOD Geography

University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024, 25)
Major Course

Course Code:	UMJGOT301
Course Title:	Geomorphology
Credits:	4 (3Th +1P)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final Examination: 15 Marks

PART – 1: THEORY

Note: The objective of this course is to introduce the students with the latest concepts in Geomorphology

Unit- I

- 1.1 Definition, nature and scope of Geomorphology
- 1.2 Fundamental concepts of Geomorphology
- 1.3 System Concept in Geomorphology
- 1.4. Methods and approaches to the study of Landforms

Unit- II

- 2.1: Concept of uniformitarianism
- 2.2 Concept of Geological Structure
- 2.3 Geomorphological processes: Concept and types
- 2.4. Geological Time Scale

Unit- III

- 3.1. Tetrahedral Hypothesis
- 3.2 Plate Tectonic Theory
- 3.3 Theory of Isostasy
- 3.4. Theory of Mountain building: Geosyncline theory of Kober

Unit- IV

- 4.1. Fluvial Cycle and Landforms
- 4.2. Glacial Process and Landforms
- 4.3. Karst Process and Landforms
- 4.4. Aeolian Landform and Process

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University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024, 25)
Major Course

Course Code: UMJGOT301

Course Title: Geomorphology

NOTE FOR PAPER SETTING:

End Examination

There will be two sections in the end examination. Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks. Section "B" shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Internal Assessment

Internal Assessment test will be conducted after the completion of fifty percent course of syllabi of theory part. There will be two sections A and B. Section A shall comprises of two questions from first two units and students are required to attempt any one question. Each question shall carry five marks. Section B shall consist of five questions of two marks each and students are required to attempt all the five questions.

Books Recommended

1. Barry R.G AND Chorley R.J, "Atmosphere, Weather and Climate" Routledge, 1998.
2. Critchfield J. Howard, "General Climatology", Pearson Education, Singapore, Fourth Edition.
3. Hyman Andrew, "Climatology: An Atmospheric Science", Callisto Reference, 2016.
4. Lal D.S, "Climatology", Sharda Pustak Bhawan, Allahabad, 2011.
5. Singh Savindra, "Physical Geography", Pravalika Publications, Allahabad, 2013.
6. Trewartha G.T, "An Introduction to Climate", International Students Edition, McGraw Hill, New York, 1980.

PART – 2: PRACTICALS: Representation of Relief Features

Unit – I: Methods for drawing of Relief features

- 1.2. Contour, Hachure, Layer tinting.
- 1.3. Spot height, Bench mark, form lines.

Unit- II: - Representation of Relief Features

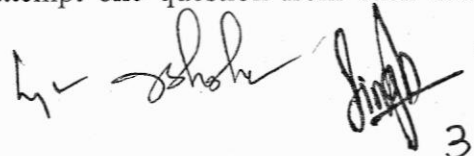
- 2.1. Contour, Hachure, Layer tinting, Spot height, Bench mark, form lines.
- 2.2. Representation of Relief Features with the help of Contours: –V shaped valley, U shaped valley, Conical Hill and Plateau.

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

- a. Daily Performance: 05 Marks
- b. Attendance: 05 marks
- c. Written Test: 10 Marks
- d. Practical Record and Viva: 5 Marks

Practical test will be conducted in one session. Question paper will be set from two units. Two questions from each unit will be asked and students are required to attempt one question from each unit. Each question carries 5 marks.


3

University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024, 25)
Major Course

Course Code: UMJGOT301

Course Title: Geomorphology

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson, A. H. et.al: Elements of Cartography, John Wiley& Sons USA.1995.
4. Sarkar, A., Practical Geography: A Systematic Approach' Logman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.

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University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024, 25)
Major Course

Course Code:	UMJGOT 302
Course Title:	Climatology
Credits:	4 (3Th +1P)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final Examination: 15 Marks

PART – 1: THEORY

Note: The objective of this course is to introduce the latest concepts of Climatology

Unit- I

- 1.1 Climatology: Definition and Elements of Weather and Climate.
- 1.2 Composition and Structure of Atmosphere.
- 1.3 Factors affecting Distribution of Insolation.
- 1.4. Global Heat Budget.

Unit- II

- 2.1 Atmospheric Temperature and Pressure: Vertical and Horizontal Distribution
- 2.2 Winds: Causes and Types of Winds.
- 2.3 Humidity: Concept and Types
- 2.4. Precipitation and formation of Clouds.

Unit- III

- 3.1 Air Masses: Meaning, Characteristics and Classification.
- 3.2 Fronts: Meaning, types and Classification
- 3.3 Tropical Cyclones: Causes and Distribution
- 3.4. Temperate Cyclone: Causes and Distribution

Unit- IV

- 4.1. Basis of Climatic Classification.
- 4.2. Koppen's Climatic Classification.
- 4.3. Thornthwaite's Climatic Classification
- 4.4. Trewartha's Climatic Classification



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024, 25)
Major Course

Course Code: UMJGOT 302

Course Title: Climatology

NOTE FOR PAPER SETTING:

End Examination

There will be two sections in the end examination. Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks. Section "B" shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Internal Assessment

Internal Assessment test will be conducted after the completion of fifty percent course of syllabi of theory part. There will be two sections A and B. Section A shall comprises of two questions from first two units and students are required to attempt any one question. Each question shall carry five marks. Section B shall consist of five questions of two marks each and students are required to attempt all the five questions.

Books Recommended

1. Barry R.G AND Chorley R.J, "Atmosphere, Weather and Climate" Routedge, 1998.
2. Critchfield J. Howard, "General Climatology", Pearson Education, Singapore, Fourth Edition.
3. Hyman Andrew, "Climatology: An Atmospheric Science", Callisto Reference, 2016.
4. Lal D.S, "Climatology", Sharda Pustak Bhawan, Allahabad, 2011.
5. Singh Savindra, "Physical Geography", Pravalika Publications, Allahabad, 2013.
6. Trewartha G.T, "An Introduction to Climate", International Students Edition, McGraw Hill, New York, 1980.

PART – 2: PRACTICALS: Representation of Climatic Data

Unit – I: Introduction to Climatic Data

- 1.1. Source and types of climatic Data
- 1.2. Difference between Graph, Diagram and Map

Unit- II: - Representation of Climatic Data

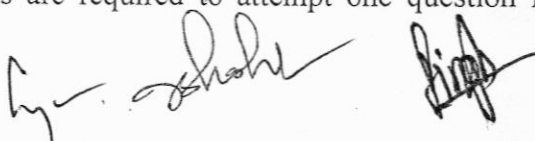
- 2.1. **Line graph:** simple line graph, polygraph or multiple line graph, and combined line graph or bar graph
- 2.2. Climograph and Hythergraph

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

- | | |
|-------------------------------|----------|
| a. Daily Performance: | 05 Marks |
| b. Attendance: | 05 marks |
| c. Written Test: | 10 Marks |
| d. Practical record and Viva: | 5 Marks |

Practical test will be conducted in one session. Question paper will be set from two units. Two questions from each unit will be asked and students are required to attempt one question from each unit. Each question carries 5 marks.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024, 25)
Major Course

Course Code: UMJGOT 302

Course Title: Climatology

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson, A.H. et.al: Elements of Cartography, John Wiley & Sons USA. 1995.
4. Sarkar, A., Practical Geography: A Systematic Approach' Logman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.

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University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024, 25)
Minor Course

Course Code:	UMJGOT 303
Course Title:	Climatology
Credits:	4 (3Th +1P)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final Examination: 15 Marks

PART – 1: THEORY

Note: The objective of this course is to introduce the latest concepts of Climatology

Unit- I

- 1.1 Climatology: Definition and Elements of Weather and Climate.
- 1.2 Composition and Structure of Atmosphere.
- 1.3 Factors affecting Distribution of Insolation.
- 1.4. Global Heat Budget.

Unit- II

- 2.1 Atmospheric Temperature and Pressure: Vertical and Horizontal Distribution
- 2.2 Winds: Causes and Types of Winds.
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- 2.4. Precipitation and formation of Clouds.

Unit- III

- 3.1 Air Masses: Meaning, Characteristics and Classification.
- 3.2 Fronts: Meaning, types and Classification
- 3.3 Tropical Cyclones: Causes and Distribution
- 3.4. Temperate Cyclone: Causes and Distribution

Unit- IV

- 4.1. Basis of Climatic Classification.
- 4.2. Koppen's Climatic Classification.
- 4.3. Thornthwaite's Climatic Classification
- 4.4. Trewartha's Climatic Classification

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University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024, 25)
Minor Course

Course Code: UMJGOT 303

Course Title: Climatology

NOTE FOR PAPER SETTING:

End Examination

There will be two sections in the end examination. Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks. Section "B" shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Internal Assessment

Internal Assessment test will be conducted after the completion of fifty percent course of syllabi of theory part. There will be two sections A and B. Section A shall comprises of two questions from first two units and students are required to attempt any one question. Each question shall carry five marks. Section B shall consist of five questions of two marks each and students are required to attempt all the five questions.

Books Recommended

1. Barry R.G AND Chorley R.J, "Atmosphere, Weather and Climate" Routedge, 1998.
2. Critchfield J. Howard, "General Climatology", Pearson Education, Singapore, Fourth Edition.
3. Hyman Andrew, "Climatology: An Atmospheric Science", Callisto Reference, 2016.
4. Lal D.S, "Climatology", Sharda Pustak Bhawan, Allahabad, 2011.
5. Singh Savindra, "Physical Geography", Pravalika Publications, Allahabad, 2013.
6. Trewartha G.T, "An Introduction to Climate", International Students Edition, McGraw Hill, New York, 1980.

PART – 2: PRACTICALS: Representation of Climatic Data

Unit - I: Introduction to Climatic Data

- 1.1. Source and types of climatic Data
- 1.2. Different between Graph, Diagram and Map

Unit- II: - Representation of Climatic Data

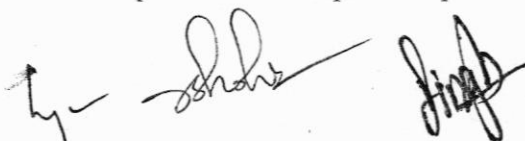
- 2.1. **Line graph:** simple line graph, polygraph or multiple line graph, and combined line graph or bar graph
- 2.2. Climograph and Hythergraph

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

- | | |
|-------------------------------|----------|
| a. Daily Performance: | 05 Marks |
| b. Attendance: | 05 marks |
| c. Written Test: | 10 Marks |
| d. Practical record and Viva: | 5 Marks |

Practical test will be conducted in one session. Question paper will be set from two units. Two questions from each unit will be asked and students are required to attempt one question from each unit. Each question carries 5 marks.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024, 25)
Minor Course

Course Title: Climatology

Course Code: UMJGOT 303

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson,A.H. et.al: Elements of Cartography, John Wiley& Sons USA.1995.
4. Sarkar, A., Practical Geography: A Systematic Approach' Logman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.

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University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024 and 2025)
Multidisciplinary Course

Course Code:	UMDGOT304
Title:	Geography of Jammu, Kashmir and Ladakh
Credits:	3
Total No. of Lecturers	45
Duration of Exam (Theory):	3 Hours
Total Marks:	75
End Semester Exam (Theory):	End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks

Note: The objective of this course is to introduce the students with the Geography of Jammu, Kashmir and Ladakh

Unit – I

- 1.1. J&K in the context of India.
- 1.2. Physical Divisions.
- 1.3. Climate.
- 1.4. Drainage

Unit – II

- 2.1. Natural Vegetation and Soils.
- 2.2. Production of Distribution of Wheat, Rice, Maize.
- 2.3. Horticulture and Sericulture.
- 2.4. Livestock and Fisheries.

Unit - III

- 3.1. Mineral Resources – Coal and Gypsum.
- 3.2. Hydel Power Resources.
- 3.3. Forest Based, and Agro Based Industries.
- 3.4. Handicraft and Handlooms.

Unit - IV

- 4.1. Population – Growth, Distribution and Density.
- 4.2. Sex Ratio and Literacy.
- 4.3. Migration and Transhumanship and Urbanization .
- 4.4. Major Ethnic Groups.

NOTE FOR PAPER SETTING:

End Examination

There will be two sections in the end examination. Section “A” shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks. Section “B” shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III

(Examination to be held in December 2023, 2024 and 2025)

Multidisciplinary Course

Course Code: UMDGOT304

Title: Geography of Jammu, Kashmir and Ladakh

Internal Assessment

Internal Assessment test will be conducted after the completion of fifty percent course of syllabi of theory part. There will be two sections A and B. Section A shall comprises of two questions from first two units and students are required to attempt any one question. Each question shall carry five marks. Section B shall consist of five questions of two marks each and students are required to attempt all the five questions.

Books Recommended

1. Dhar Vidya: Jammu and Kashmir Past and Present' Saksham Jammu 2005.
2. Drew Frederic, 1971: Jammu & Kashmir Territories: Geographical Account, Oriental Publishers, Delhi.
3. Frank Young husband: Sir Kashmir, London.
4. G. B. Singh: Encyclopedia of Jammu.
5. Itoo J (2004) Jammu and Kashmir at Glance.
6. Jasbir Singh: The Economy of Jammu & Kashmir, R.K. Anand Co. Jammu, 2004.
7. K. Warikoo (1976), Jammu, Kashmir & Ladakh: A Classified Bibliography.
8. M.A. Steln (1982), Kalhana's Raj Tarangani, The First chromic Kashmir Bombay.
9. Maiid Hussain, A Geography of Jammu & Kashmir. Publishing House New Delhi, 1985.
10. Rayaz, Khalid: 2011: Resource Geography of Jammu and Kashmir: Saksham Books International, Jammu.
11. Somnath Dhar (1977), Jammu & Kashmir, NBT, Srinagar' Publishers.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III
(Examination to be held in December 2023, 2024 and 25)
Skill Enhancement Course

Course Code:	USEGOT305
Course Title:	Surveyor
Credits:	2
Total numbers of lecturers	30
Total Marks:	50
Duration End Semester Exam	2 ^{1/2} Hours
End Semester Exam	50 Marks End Exam: 40 Marks Mid Semester Assessment Test : 10 Marks

Unit-I

- 1.1. Definition of Survey and Surveying.
- 1.2. Need and importance of Survey in Geography.
- 1.3. Classification of Survey.
- 1.4. Methods of Survey.

Unit-II

- 2.1. Methods and principal of chain and tape Survey.
- 2.2. Essential requirement for chain and tape Survey.
- 2.3. Techniques for preparation of field book for chain and tape Survey.
- 2.4. Survey and its depiction on flat sheet of paper.

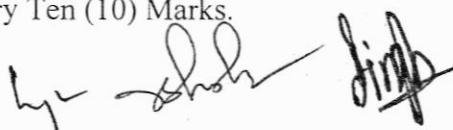
Unit-III

- 3.1. Methods and principal of Plain Table Survey.
- 3.2. Essential requirement for Plain Table Survey.
- 3.3. Techniques for preparation of field book for Plain Table Survey.
- 3.4. Survey and its depiction on flat sheet of paper

NOTE FOR PAPER SETTING/ MODE OF EXAMINATION:

End Examination

There will be two sections in the end examination. Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of two and half (2^{1/2}) marks. Section "B" shall consist of Six (6) long answer questions having two questions from each unit. The students are required to attempt Three (3) questions selecting one question from each unit. Each question shall carry Ten (10) Marks.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- III

(Examination to be held in December 2023, 2024 and 25)

Skill Enhancement Course

Course Code: USEGOT305

Course Title: Surveyor

Internal Assessment Test

Internal Assessment test will be conducted after the completion of fifty percent course of syllabi of theory part. The question paper for internal assessment test shall consist of five questions of two marks each and students are required to attempt all the five questions.

Books Recommended

1. Gupta K.K. and Tyagi, V. C., 1992: *Working with Map*, Survey of India, DST, New Delhi.
2. Mishra R.P. and Ramesh, A., 1989: *Fundamentals of Cartography*, Concept, New Delhi.
3. Robinson A. H., 2009: *Elements of Cartography*, John Wiley and Sons, New York.

Singh R. L. and Singh R. P. B., 1999: *Elements of Practical Geography*, Kalyani Publishers.

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University of Jammu
Syllabus of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)
Major Course

Course Code:	UMJGOT401
Course Title:	Oceanography
Credits:	4 (3Th +1P)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final Examination: 15 Marks

Note: The objective of this course is to introduce the students with the latest concepts in the field of oceanography

PART – 1: THEORY

Unit- I

- 1.1. Definitions and scope of Oceanography.
- 1.2. Development of Oceanography.
- 1.3. Topography of the Ocean Basins.
- 1.4. Temperature of the Oceans: Vertical and Horizontal

Unit- II

- 2.1. Salinity - causes and distribution salinity in ocean
- 2.2. Waves - definition, origin and types
- 2.3. Tsunami waves: causes and impact
- 2.4. Tides - definition, origin and types

Unit- III

- 3.1. Theories of ocean tides
- 3.2. Ocean current: definition and causes
- 3.3. Indian ocean currents: Types and Circulation
- 3.4. Atlantic ocean currents: Types and Circulation

Unit- IV

- 4.1. Oceans as resource.
- 4.2. Coral reefs: origin and type coral reefs.
- 4.3. Theories of origin of coral reefs and atolls.
- 4.4. Ocean deposits: Types and Classification.

University of Jammu
Syllabus of Geography at FYUP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)
Major Course

Course Code: UMJGOT401

Course Title: Oceanography

NOTE FOR PAPER SETTING

End Examination

There will be two sections in the end examination. Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks. Section "B" shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Internal Assessment

Internal Assessment test will be conducted after the completion of fifty percent course of syllabi of theory part. There will be two sections A and B. Section A shall comprises of two questions from first two units and students are required to attempt any one question. Each question shall carry five marks. Section B shall consist of five questions of two marks each and students are required to attempt all the five questions.

Books Recommended

1. Lal, D.S. 'Oceanography', Sharda Pustak Bhawan, Allahabad, U.P, 2007.
2. Pinet, P.R. 'Invitation to Oceanography', Jones and Barlett Publishers, USA, 2000.
3. Sharma, R.C and Vatal, M. 'Oceanography of Geographers', Chaitanya Publishing House, Allahabad, U.P, 2001
4. Sidharta, K. 'Oceanography', Kalyana Publications, New Delhi, 1999.
5. Singh, Savindra. 'Oceanography', Pravalika Publications, Allahabad, U.P, 2019.
6. Singh, Savindra. 'Physical Geography', Pravalika Publications, Allahabad, U.P, 2021.

PART – 2: PRACTICALS: Methods of Map Making

Unit- I

- 1.1. Meaning, definition and Essential Components of Maps.
- 1.2. Classification and Uses of Maps

Unit- II

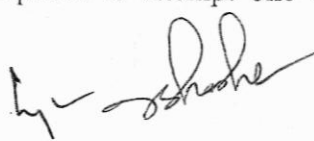

- 2.1. Types of Cartographic Symbols: - Point, Line & Area Symbols (with examples).
- 2.2. Cartographic Diagrams:-Pie-diagram, Proportional Circle, Concentric circle, Sphere and Pyramid.

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

- | | |
|-------------------------------|----------|
| e. Daily Performance: | 05 Marks |
| f. Attendance: | 05 marks |
| g. Written Test: | 10 Marks |
| h. Practical record and Viva: | 5 Marks |

Practical test will be conducted in one session. Question paper will be set from two units. Two questions from each unit will be asked and students are required to attempt one question from each unit. Each question carries 5 marks.

University of Jammu
Syllabus of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)
Major Course

Course Code: UMJGOT401

Course Title: Oceanography

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson,A.H. et.al: Elements of Cartography, John Wiley& Sons USA.1995.
4. Sarkar, A., Practical Geography: A Systematic Approach Longman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.

Dr. R. L. Singh

University of Jammu
Syllabus of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)
Major Course

Course Code:	UMJGOT402
Course Title:	Resource Geography of Union territory of Jammu and Kashmir
Credits:	4 (3Th +1P)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final Examination: 15 Marks

Note: The objective of this course is to provide the knowledge of resource potential of union territory of Jammu and Kashmir.

Unit – I

- 1.5. J&K in the context of India.
- 1.6. Physical Divisions.
- 1.7. Climate.
- 1.8. Drainage.

Unit – II

- 2.1. Natural Vegetation and Soils.
- 2.2. Production of Distribution of Wheat, Rice, Maize.
- 2.3. Horticulture and Sericulture.
- 2.4. Livestock and Fisheries

Unit - III

- 3.1. Mineral Resources – Coal and Gypsum.
- 3.2. Hydel Power Resources.
- 3.3. Forest Based, and Agro Based Industries.
- 3.4. Handicraft and Handlooms

Unit - IV

- 4.1. Population – Growth, Distribution and Density.
- 4.2. Sex Ratio and Literacy.
- 4.3. Migration and Transhumanship and Urbanization.
- 4.4. Major Ethnic Groups of JKUT



University of Jammu
Syllabus of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)

Major Course

Course Code: UMJGOT402 Course Title: Resource Geography of Union territory of Jammu and Kashmir

NOTE FOR PAPER SETTING:

End Examination

There will be two sections in the end examination. Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks. Section "B" shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Internal Assessment

Internal Assessment test will be conducted after the completion of fifty percent course of syllabi of theory part. There will be two sections A and B. Section A shall comprises of two questions from first two units and students are required to attempt any one question. Each question shall carry five marks. Section B shall consist of five questions of two marks each and students are required to attempt all the five questions.

Books Recommended

1. Dhar Vidya: Jammu and Kashmir Past and Present' Saksham Jammu 2005.
2. Drew Frederic, 1971: Jammu & Kashmir Territories: Geographical Account, Oriental Publishers, Delhi.
3. Frank Young husband: Sir Kashmir, London.
4. G. B. Singh: Encyclopedia of Jammu.
5. Itoo, J., (2004) Jammu and Kashmir at Glance.
6. Jasbir Singh: The Economy of Jammu & Kashmir, R.K. Anand Co. Jammu, 2004.
7. K. Warikoo (1976), Jammu, Kashmir & Ladakh: A Classified Bibliography.
8. M.A. Stelin (1982), Kalhana's Raj Tarangani, The First chromic Kashmir Bombay.
9. Majid Hussain, A Geography of Jammu & Kashmir. Publishing House New Delhi, 1985.
10. Rayaz, Khalid: 2011: Resource Geography of Jammu and Kashmir: Saksham Books International, Jammu.
11. Somnath Dhar (1977), Jammu & Kashmir, NBT, Srinagar' Publishers.

PART – 2: PRACTICALS: METHODS AND DRAWING OF DISTRIBUTION MAPS

Unit- I

- 1.1. Distribution of Maps: - Methods and drawing of distribution maps,
- 1.2. Drawing of distribution maps with the help of Chorochromatic and Choroschematic Methods.

Unit- II

- 2.1. Representation of Population data by Cartographic Diagrams.
- 2.2. Representation of Agricultural data by Cartographic Diagrams.

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

- | | |
|-------------------------------|----------|
| a. Daily Performance: | 05 Marks |
| b. Attendance: | 05 marks |
| c. Written Test: | 10 Marks |
| d. Practical record and Viva: | 5 Marks |



University of Jammu
Syllabus of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV

(Examination to be held in May/June 2024, 2025 and 2026)

Major Course


Course Code: UMJGOT402

**Course Title: Resource Geography of Union territory of Jammu
and Kashmir**

Practical test will be conducted in one session. Question paper will be set from two units. Two questions from each unit will be asked and students are required to attempt one question from each unit. Each question carries 5 marks.

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson, A. H. et.al: Elements of Cartography, John Wiley& Sons USA.1995.
4. Sarkar, A., Practical Geography: A Systematic Approach Longman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.



University of Jammu
Syllabus of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)
Major Course

Course Code:	UMJGOT403
Course Title:	Geography of Resources
Credits:	4 (3Th +1P)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final Examination: 15 Marks

Unit – 1

- 1.1. Definition and Concept of resources.
- 1.2. Significance of resources.
- 1.3. Approaches to the study of resources.
- 1.4. Classification of Resources.

Unit – 2

- 2.1. Different perspectives on resource exploitation.
- 2.2. Economic resources: Definition and significance.
- 2.3. Functional Theory of resources.
- 2.4. Dynamic Concept of resources.

Unit – 3

- 3.1. Natural Resource Management- Concept and Need
- 3.2. Sustainable human resource management.
- 3.3. Sustainable Natural Resource Development.
- 3.4. Spatial distribution of Coal & Petroleum resource.

Unit – 4

4. 1. Appraisal of Natural Resources Conservation and Management
4. 2. Methods of Conservation of Natural Resources :- (i) Water (ii) Forests (iii) Soils.
4. 3. Natural Resources Management – Indian Scenario- National Forest Policy
4. 4. Application of RS & GIS for Natural Resource Management

NOTE FOR PAPER SETTING:

End Examination

There will be two sections in the end examination. Section “A” shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks. Section “B” shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.



University of Jammu
Syllabus of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)
Major Course
Course Code: UMJGOT403 Course Title: Geography of Resources

Internal Assessment

Internal Assessment test will be conducted after the completion of fifty percent course of syllabi of theory part. There will be two sections A and B. Section A shall comprises of two questions from first two units and students are required to attempt any one question. Each question shall carry five marks. Section B shall consist of five questions of two marks each and students are required to attempt all the five questions.

SUGGESTED READINGS

1. Hussain, M. (2017) – Resource Geography; Anmol Publications, New Delhi.
2. Zimmermann, E.W. (1933) – World Resources and Industries – A Functional Appraisal of the Availability of Agricultural and Industrial Materials, New York.
3. Siddhartha, K. (2017) – Economic Geography; Kitab Mahal Publishers, New Delhi.
4. Harikesh N. Misra., (2014) Managing Natural Resources- Focus on Land and Water, Prentice Hall India Learning Private Limited.
5. Konnethd, Frederick and Norman J. Rosenberg., (1994) Assessing the Impacts of Climate Change on Natural Recourses Management, Springer.
6. Russell D. Taylor., (2010) Natural Resources Management and Local Development, Springer.
7. Sundaram.M, and M. Mrityunjay., (2004) Natural Resources Management and livelihood Security – Survival Strategies and Sustainable Policies, BhoovigyanVikas Foundation..

PART – 2: PRACTICALS: Inter District Field Visit

Unit – I: Selection of Site

Geographical resource potential area has to be indentified for providing the knowledge of resource potential and their economic importance to the students.

Unit- II: - Report

A report pertaining to selected site shall be prepared and submitted within two weeks of the visit.

NOTE FOR PAPER SETTER:

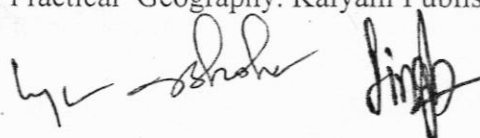
Practical Examination/ Evaluation

- | | |
|----------------|----------|
| a. Attendance: | 10 Marks |
| b. Report: | 10 Marks |
| c. Viva: | 5 Marks |

Practical test will be conducted in one session based upon field visit knowledge. The students are required to present written report which shall be evaluated for ten marks.

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson,A.H. et.al: Elements of Cartography, John Wiley& Sons USA.1995.
4. Sarkar, A., Practical Geography: A Systematic Approach' Logman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.



University of Jammu
Syllabus of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)
Major Course

Course Code:	UMJGOT404
Course Title:	Geography of Agriculture
Credits:	4 (3Th +1P)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final Examination: 15 Marks

PART – 1: THEORY

Note: The objective of this course is to introduce the latest concepts of Agricultural Geography essentially the spatial patterns of agriculture and its areal differentiation.

Unit – 1

- 1.1. Definition, Nature and Objectives of Agricultural Geography
- 1.2. Approaches to the study of Agricultural Geography-commodity, regional and systematic.
- 1.3. Historical perspective of origin of agriculture.
- 1.4. Major gene centers of the world agriculture.

Unit - II

- 2.1. Physical and social determinants of agriculture.
- 2.2. Agricultural land use classification in India.
- 2.3. Concepts of crop combinations.
- 2.4. Agricultural productivity.

Unit - III

- 3.1. Agricultural concepts of – crop concentration
- 3.2. Crop Diversification.
- 3.3. Cropping pattern.
- 3.4. Cropping intensity.

Unit – IV

- 4.1. Whittlesey classification of agricultural systems of the world.
- 4.2. Von-Thunen's model of agricultural location with limitations.
- 4.3. Green revolution – impact and consequences assessment.
- 4.4. Characteristics of Indian agriculture.

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University of Jammu
Syllabus of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV

(Examination to be held in May/June 2024, 2025 and 2026)

Major Course

Course Code: UMJGOT404

Course Title: Geography of Agriculture

NOTE FOR PAPER SETTING

End Examination

There will be two sections in the end examination. Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks. Section "B" shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Internal Assessment

Internal Assessment test will be conducted after the completion of fifty percent course of syllabi of theory part. There will be two sections A and B. Section A shall comprises of two questions from first two units and students are required to attempt any one question. Each question shall carry five marks. Section B shall consist of five questions of two marks each and students are required to attempt all the five questions.

Books Recommended

1. Grigg D.B.: The Agricultural Systems of the World. Cambridge University Press, New York, 1974.
2. Hussain, M: Agricultural Geography, Rawat Publications, Jaipur, 1996.
3. Singh, J & Dhillon, S.S.: Agricultural Geography, Tata McGraw Hill, N. Delhi 1991.
4. Gregor, H.P. : Geography of Agriculture, Prentice Hall, New York, 1970
5. Symons, L.: Agricultural Geography, G. Bells & Sons, London, 1967.
6. Bhalla. G.S. & Singh, G.: Indian Agriculture-Four Decades of Development, Sage Publication, 2001.

PART – 2: PRACTICALS: Plane Table Survey

Unit-I

- 1.1 Concept of Plane Table Survey
- 1.2 Methods of Plane Table Survey.

Unit-II

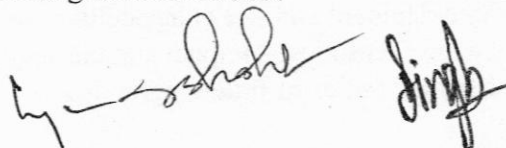
- 2.1 Techniques for preparation of field book for Plane Table Survey.
- 2.2 Survey and its depiction on flat sheet of paper

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

- | | |
|-------------------------------|----------|
| a. Daily Performance: | 05 Marks |
| b. Attendance: | 05 marks |
| c. Written Test: | 10 Marks |
| d. Practical record and Viva: | 5 Marks |

Practical test will be conducted in one session. Student will be given any area for conducting the plain table survey and evaluation shall be made on the basis of drawing and field book.



University of Jammu
Syllabus of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV

(Examination to be held in May/June 2024, 2025 and 2026)

Major Course

Course Code: UMJGOT404

Course Title: Geography of Agriculture

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Robinson, A.H. et.al: Elements of Cartography, John Wiley & Sons USA.1995.
3. Sarkar, A., Practical Geography: A Systematic Approach' Logman, Calcutta, 1997.
4. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.

Dr. Ashok Singh

University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)
Minor Course

Course Code:	UMIGOT405
Course Title:	Geography of Union territory of Jammu and Kashmir
Credits:	4 (3Th +1P)
Total No. of Lecturers (Theory)	45
Total No. of Lecturers (Practical)	30
Duration of Exam (Theory)	3 Hours
Duration of Exam (Practical)	1 ½ Hours
Total Marks:	100
Theory	75 Marks End Exam: 60 Marks Mid Semester Assessment Test: 15 Marks
Practical	25 Marks Continuous Assessment: 10 Marks Final Examination: 15 Marks

Note: The objective of this course is to provide the knowledge of Geography of union territory of Jammu and Kashmir.

Unit – I

- 1.9. J&K in the context of India.
- 1.10. Physical Divisions.
- 1.11. Climate.
- 1.12. Drainage.

Unit – II

- 2.1. Natural Vegetation and Soils.
- 2.2. Production of Distribution of Wheat, Rice, Maize.
- 2.3. Horticulture and Sericulture.
- 2.4. Livestock and Fisheries

Unit - III

- 3.1. Mineral Resources – Coal and Gypsum.
- 3.2. Hydel Power Resources.
- 3.3. Forest Based, and Agro Based Industries.
- 3.4. Handicraft and Handlooms

Unit - IV

- 4.1. Population – Growth, Distribution and Density.
- 4.2. Sex Ratio and Literacy.
- 4.3. Migration and Transhumanship and Urbanization.
- 4.4. Major Ethnic Groups of JKUT

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University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)
Minor Course

Course Code: UMIGOT405 Course Title: Geography of Union territory of Jammu and Kashmir

NOTE FOR PAPER SETTING:

End Examination

There will be two sections in the end examination. Section "A" shall consist of Four (4) short answer questions having one question from each unit. The students are required to attempt all the questions. Each question shall be of three (3) marks. Section "B" shall consist of Eight (8) long answer questions having two questions from each unit. The students are required to attempt four (4) questions selecting one question from each unit. Each question shall carry 12 Marks.

Internal Assessment

Internal Assessment test will be conducted after the completion of fifty percent course of syllabi of theory part. There will be two sections A and B. Section A shall comprises of two questions from first two units and students are required to attempt any one question. Each question shall carry five marks. Section B shall consist of five questions of two marks each and students are required to attempt all the five questions.

Books Recommended

1. Dhar Vidya: Jammu and Kashmir Past and Present' Saksham Jammu 2005.
2. Drew Frederic, 1971: Jammu & Kashmir Territories: Geographical Account, Oriental Publishers, Delhi.
3. Frank Young husband: Sir Kashmir, London.
4. G. B. Singh: Encyclopedia of Jammu.
5. Itoo J (2004) Jammu and Kashmir at Glance.
6. Jasbir Singh: The Economy of Jammu & Kashmir, R.K. Anand Co. Jammu, 2004.
7. K. Warikoo (1976), Jammu, Kashmir & Ladakh: A Classified Bibliography.
8. M.A. Steln (1982), Kalhana's Raj Tarangani, The First chronic Kashmir Bombay.
9. Majid Hussain, A Geography of Jammu & Kashmir. Publishing House New Delhi, 1985.
10. Rayaz, Khalid: 2011: Resource Geography of Jammu and Kashmir: Saksham Books International, Jammu.
11. Somnath Dhar (1977), Jammu & Kashmir, NBT, Srinagar' Publishers.

PART – 2: PRACTICALS: Methods of Map Making

Unit- I

- 1.1. Meaning, definition and essentials of Map.
- 1.2. Classification and uses of Maps.

Unit- II

- 2.1. Types of Cartographic Symbols: - Point, Line & Area Symbols and their application.
- 2.2. Cartographic Diagrams:-Pie-diagram, Proportional Circle, Concentric circle, Sphere and Pyramid.



University of Jammu
Syllabi of Geography at FYUGP under CBCS as per NEP – 2020
Semester- IV
(Examination to be held in May/June 2024, 2025 and 2026)
Minor Course

Course Code: UMIGOT405 Course Title: Geography of Union territory of Jammu and Kashmir

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

- | | |
|-------------------------------|----------|
| a. Daily Performance: | 05 Marks |
| b. Attendance: | 05 marks |
| c. Written Test: | 10 Marks |
| d. Practical record and Viva: | 5 Marks |

Practical test will be conducted in one session. Question paper will be set from two units. Two questions from each unit will be asked and students are required to attempt one question from each unit. Each question carries 5 marks.

Books Recommended

1. Mishra R.P. and Romesh A, Fundamentals of Cartography. Mc Millan Co. New Delhi, 1986.
2. Pal, S.K., Statistics for Geoscientists -Techniques and Concept Publishing, New Delhi, 1998.
3. Robinson, A.H. et.al: Elements of Cartography, John Wiley& Sons USA.1995.
4. Sarkar, A., Practical Geography: A Systematic Approach' Longman, Calcutta, 1997.
5. Singh R.L. and Dutt R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.

by shobha jnp