



UNIVERSITY OF JAMMU

NOTIFICATION (18/Feb./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 Study in the subject of **Geography** for Ist, IInd and IVth Semesters under the **Choice Based Credit System** at the Undergraduate level (as given in the Annexure) for the Examinations to be held in the years indicated against each semester as under:-

Subject	Semester	For the examinations to be held in the year
Geography	Semester-I	December 2018, 2019 and 2020
	Semester-II	May 2019, 2020 and 2021
	Semester-IV	May 2018, 2019 and 2020

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

sd/-
DEAN ACADEMIC AFFAIRS

No. F. Acd/II/18/15982-16026

Dated: 06-02-2018

Copy for information and necessary action to:

1. Special Secretary to the Vice Chancellor, University of Jammu for the kind information of the Worthy Vice-Chancellor please
2. Sr. P.A. to the Dean Academic Affairs/ Dean Research Studies
3. Sr. P.A. to the Registrar/Controller of Examinations
4. Dean, Faculty of Science
5. HOD/Convener, Board of Studies in Geography
6. All members of the Board of Studies
7. C.A to the Controller of Examinations
8. I/c Director, Computer Centre, University of Jammu
9. Asst. Registrar (Conf. /Exams. UG/ Inf./Pub.)
10. Incharge, University Website for necessary action please.
11. S.O (Confidential)

[Signature]
Assistant Registrar(Academic)

[Signature]
2/2
14/02/2018

**Detailed Syllabus in Geography for B.A / B. Sc Semester- I under CBCS for
the Examination to be held in December 2018, 2019, 2020**

Course Code: UGOTC- 101 (Theory Core)

Title: Physical Geography-I

Credits: 4

Total Marks: 100

Duration: 2:30 Hours

Internal Assessment: 20

End Semester Exam: 80

Note: The objective of this course is to introduce the latest concepts of Physical Geography essentially Geomorphology to the students in a brief but adequate manner.

Unit - 1

- 1.1. Definition, Nature and Scope of Geography
- 1.2. Divisions of Geography.
- 1.3. Physical Geography and its components.
- 1.4. Relationship of Geography with other disciplines.

Unit - II

- 2.1. Theories regarding origin of the earth: Nebular, Kant and Planestimal Hypothesis.
- 2.2. Theory of Continental Drift.
- 2.3. Theory of Plate Tectonic.
- 2.4. Theory of Isostacy.

Unit - III

- 3.1 Geological Time Scale
- 3.2 Interior of Earth.
- 3.3 Earthquakes and Volcanoes Concepts, Types & Distribution.
- 3.4 Rocks and their Types.

Unit-IV

- 4.1 Earth Movements: Folds and Faults
- 4.2 Weathering and its types.
- 4.3 Normal Cycles of Erosion
- 4.4 Landslides and Avalanches: types and Causes.

Unit-V

- 5.1. Fluvial Cycle and Landforms
- 5.2. Glacial Process and Landforms
- 5.3. Karst Process and Landforms
- 5.4. Aeolian Landform and Process.

Note for Paper Setting:

The question paper shall comprise of three sections i.e. A, B and C. Section A and B are compulsory. Section- A comprises of Five (5) Short Answer Type questions representing all units/ syllabi (At least one question from each unit) with a limit of 70 to 80 words and having Three (3) marks for each question. Section- B comprises of Five (5) Medium Answer Type questions representing all units of syllabi (At least one question from each unit) with a limit of 250- 350 words and having Seven (7) marks for each question. Section- C comprises of Four or Five (4/5) Long Answer Type questions representing all units of syllabi. Candidates shall be required to attempt two (2) questions of fifteen (15) marks each. Answer should be limited to 500- 600 words for each question.

Books Recommended

1. Monkhouse, F.J: Principles of Physical Geography' Hodder and Stoughton, London,1960.
2. Singh, Savindra; Physical Geography, Prayag Pustak Bhawan, 2017.
3. Strahler, A.N, Environmental Geo Science, Hamillon Santa Barbara, 1973,
4. Strahler, A. N., and Strahler. A. H., Modern Physical Geography Wiley and Sons, Revised Edition, 1992.
5. Thornbury W.D., Principles of Geomorphology' Wiley 1969.
6. Wooldrige S.W. and Morgan, R.S., The Physical Basis of Geography and Geomorphology, Longman Green & Co. London' 1959

Detailed Syllabus in Geography for B.A / B. Sc Semester- I under CBCS for the Examination to be held in December 2018, 2019, 2020

Course Code: UGOPC- 102 (Practical Core)

Credits: 2

Total Marks: 50

Internal Marks: 25

External Marks: 25

Title: Cartography-I

Unit-I Cartography-Introduction

- 1.1 Cartography: Definition, Nature and Scope of Cartography
- 1.2 Essentials of Map.
- 1.3 Map, Globe and Sketch: Concepts and Significance
- 1.4 Classification of Map.

Unit-II Scales

- 2.1 Scale: Definition, methods of Representing Scales
- 2.2 Classification of Scales
- 2.3 Plain Scales (Exercises-4 minimum)
- 2.4 Comparative and Diagonal Scales (Exercises- 4 each).

Unit-III Representation of Relief: Construction and Interpretation

- 3.1 Relief: Concept, Methods of Representing Relief.
- 3.2 Mathematical Method: Concepts of spot Heights, Bench Marks, Trigonometric Stations; and contours
- 3.3 Pictorial Method: Hachures and Hill shading.
- 3.4 Representation of Relief with the help of contours: Concave and Convex Slopes, Uniform and Steep Slopes: Undulating and Terraced slopes; Conical Hill and Plateau; V-Shaped and U-Shaped valleys.

Unit-IV Profiles-Construction and Interpretation

- 4.1 Profile: Definition, Concept and its significance, Cross Section.
- 4.2 Serial and Superimposed Profiles.
- 4.3 Composite and Projected Profiles.
- 4.4 Longitudinal Profiles

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

a. Internal Marks: 25

Attendance: 5 Marks

Daily Performance: 10 Marks

Test and Viva: 10(8+2) Marks

b. External Marks: 25

Test: 20 Marks

Viva: 5 Marks

External practical test will be conducted in one session. Question paper will be set from 'all four units. Two questions from each unit and student will be 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 Duff R.K., Element of Practical Geography. Kalyani Publishers, New Delhi,
6. Singh, Gopal: Map Work and Practical Geography, Vikas Publisher House Pvt. Ltd. New Delhi.
7. Khullar, D.R., 2017: Essential of Practical Geography, Manjit Singh New Academic Publishing Co Jalandhar.

Detailed Syllabus in Geography for B.A./ B. Sc Semester- II under CBCS for the Examination to be held in May 2018, 2019, 2020

Course Code: UGOTC- 201 (Theory Core)

Title: Geography of Jammu and Kashmir

Credits: 4

Total Marks: 100

Duration: 2:30 Hours

Internal Assessment: 20

End Semester Exam: 80

Note: The objective of this course is to make the students familiar with Geography of Jammu & Kashmir in relation to its Physical and Socio-cultural setting.

Unit - I

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

Unit-II

- 2.1. Natural Vegetation and Soils.
- 2.2. Production & 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 Major Ethnic Groups
- 4.4 Migration and Transhumance

Unit-V

- 5.1 Urbanization in J&K
- 5.2 Transport and Communication.
- 5.3 Important Tourist Destinations.
- 5.4 Influx of National and International Tourism.

Note for Paper Setting:

The question paper shall comprise of three sections i.e. A, B and C. Section A and B are compulsory. Section- A comprises of Five (5) Short Answer Type questions representing all units of syllabi (At least one question from each unit) with a limit of 70 to 80 words and having Three (3) marks for each question. Section- B comprises of Five (5) Medium Answer Type questions representing all units of syllabi (At least one question from each unit) with a limit of 250- 350 words and having Seven (7) marks for each question. Section- C comprises of Four or Five (4/5) Long Answer Type questions representing all units of syllabi. Candidates shall be required to attempt two (2) questions of fifteen (15) marks each. Answer should be limited to 500- 600 words for each question.

Books Recommended

1. Dhar Vidya: Jammu and Kashmir Past and Present' Saksham Jammu 2005.
2. Drew Frederic, 1971: Jammu & Kashmit 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. Stein (1982), Kalhana's Raj Tarangani, The First chronic Kashniir 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. Sonmath Dhar (1977), Jammu & Kashmir, NBT, Srinagar' Publishers.
12. Raina, A.N; Geography of Jammu and Kashmir, Radha Krishan and Anand Publishers, Jammu.
13. Khan, A.R; Geography of Jammu and Kashmir, Gulshan and Book Publishers, Srinagar, J&K.

**Detailed Practical Syllabus in Geography for B.A/ B. Sc. Semester- IV under
CBCS for the Examination to be held in May 2019, 2020 and 2021**

Course Code: UGOPC- 202 (Practical Core)
Credits: 2
Title: Cartography- II

Total Marks: 50
Internal: 25
External: 25

Unit-I

- 1.1. Meaning and definition of Maps.
- 1.2. Essential Components, Classification and uses of Maps.
- 1.3. Difference between Maps, Charts and Diagrams.

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 their applications, merits and demerits.
- 2.3. Representation of Population Data by above Cartographic diagrams.

Unit- III

- 3.1. Representation of Agriculture Data by Pie Diagram, Proportional Circle and Concentric Circle.
- 3.2. Cartographic Methods: Isopleth, Choropleth, Dot, Chorochromatic and Choroschematic; their concepts and application; Merits and Demerits.
- 3.3. Representation of population Data (Distribution, Density and Growth) by Dot and Choropleth Methods.

Unit- IV

- 4.1. Drawing of distribution maps with the help of Chorochromatic, Choroschematic Methods.
- 4.2. Representation of climatic data with the help of Isopleth Methods
- 4.3. Field Study Tour: Physical.

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

a. Internal Marks: 25

Attendance: 5 Marks

Daily Performance: 10 Marks

Test and Viva: 10 (8+2) Marks

b. External Marks: 25

Test: 16 Marks

Field Report: 4 marks

Viva: 5 marks

} 20 marks

External practical test will be conducted in one session of 20 marks. Question paper will be set from all four units. Two questions from each unit and student will be required to attempt one question from each unit. Each question carries 4 marks and Field Report-4 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 Duff R.K., Element of Practical Geography. Kalyani Publishers, New Delhi, 1979.
6. Singh, Gopal: Map Work and Practical Geography, Vikas Publisher House Pvt. Ltd. New Delhi.
7. Khullar, D.R., 2017: Essential of Practical Geography, Manjit Singh New Academic Publishing Co Jalandhar.

Detailed syllabus in Geography form B.A. / B.Sc. Semester IV under CBCS

For the Examination to be held in May 2018, 2019 and 2020

Course Code: UGOTC- 401 (Theory Core)

Credits: 4

Duration: 2:30 Hours

Title: Geography of India

MaxMarks:100

End Semester Exam: 80

Internal Assessment: 20

Unit-I

- 1.1 India: In the Context of Asia.
- 1.2 Physiographic Divisions of India.
- 1.3 Climate of India: Mechanism of Indian Monsoon, Jet Streams, Western Disturbances.
- 1.4 Drainage System of India.

Unit-II

- 2.1 India: Soils (Types, Characteristics and Distribution)
- 2.2 India: Vegetation (Types, Characteristics and Distribution)
- 2.3 Mineral Resources of India: Iron Ore, Mica, Manganese
- 2.4 Power Resources of India: Coal and Petroleum.

Unit-III

- 3.1 Indian Agriculture: Characteristics and Problem.
- 3.2 Green Revolution in India: Impact and Problems.
- 3.3 Major Cereal Crops: Wheat and Rice, Distribution and Production
- 3.4 Major Cash Crops: Cotton, Sugarcane, Tea and Coffee-Distribution and Production.

Unit-IV

- 4.1 Spatial Distribution of Population, Density, Growth and their Trends.
- 4.2 Recent Population, Policy of India.
- 4.3 Migration: Causes and Consequences in India.
- 4.4 Urbanization of India: Trends and Disparities.

Unit-V

- 5.1 Regionalization of India: Basis of regionalization; Macro and Meso regions of India.
- 5.2 Factors of Localization of Iron & Steel and Cotton Textiles Industries.
- 5.3 Industrial regions of India.
- 5.4 Problems and New Industrial Policies of India.

Note for Paper Setting:

The question paper shall comprise of three sections i.e. A, B and C. Section A and B are compulsory. Section- A comprises of Five (5) Short Answer Type questions representing all units of syllabi (At least one question from each unit) with a limit of 70 to 80 words and having Three (3) marks for each question. Section- B comprises of Five (5) Medium Answer Type questions representing all units of syllabi (At least one question from each unit) with a limit of 250- 350 words and having Seven (7) marks for each question. Section- C comprises of Four or Five (4/5) Long Answer Type questions representing all units of syllabi. Candidates shall be required to attempt two (2) questions of fifteen (15) marks each. Answer should be limited to 500- 600 words for each question.

Books Recommended:

1. Gimburg N: The pattern of Asia, Prentice Hall Englewood cliffs.
2. Govt. of India: National Atlas of India, NATMO Publication, Calcutta.
3. Govt. of India: The Gazetteer of India, Vol. 1 and 3 Publication Division, New Delhi.
4. Negi, Balbir Singh: Geography of India, Kedarnath, Ramnath, Meerut, New Delhi, 1993.
5. Singh Gopal: India (Latest edition) Atma Ram and Sons, Delhi
6. Singh Jagdish: India: A comprehensive systematic Geography, Radha Publications, New Delhi 2003.
7. Spate, O.H.K. and Learmonth, ATA: India and Pakistan-Land, People and Economy, Methuen & Co, London 1967.
8. Hussain Majid, ÷ Geography of Indiaö Tata McGraw Hill Publishing Company Limited New Delhi.
9. Khullar D.R. India: A Comprehensive Geography, Kalayani Publishers, New Delhi.
10. Deshpande, C.D.: India- A Regional Intrepretation, Northern Book Centre, New Delhi 1992.

**Detailed Practical Syllabus in Geography for B.A/ B. Sc Semester- IV under
CBCS for the Examination to be held in May 2018, 2019 and 2020**

Course Code: UGOPC- 402 (Practical Core)

Credits: 2

Title: Surveying

Total Marks: 50

Internal: 25

External: 25

Practical Semester - 4th: Surveying

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

Unit-IV

- 4.1 Field Study Socio Economic Tour Inter/ Intra State

NOTE FOR PAPER SETTER:

Practical Examination/ Evaluation

a. Internal Marks: 25

Attendance: 5 Marks

Daily Performance: 10 Marks

Test and Viva: 10 Marks

b. External Marks: 25

Test: 20 Marks

Viva: 5 Marks

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

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

Detailed Syllabus in Geography for BA/ B. Sc Semester- IV under CBCS for the Examination to be held in May 2018, 2019 and 2020.

Course Code: UGOPS- 403 (Skill Enhancement) Title: Skillful Planning for Regional Development

Credits: 4

Total Marks : 100
Internal 1 : 40 (2 hrs)
Internal Final : 60 (3 hrs)

Note: The objective of this paper is to train students in skillful Planning for Regional Development.

Unit-I

- 1.1 Introduction to the concept of Regional Planning.
- 1.2 Need to study skillful planning.
- 1.3 Classification and types of skill planning.

Unit-II

- 2.1 Characteristics of skilful planning.
- 2.2 Skillful Delineation of planning regions.
- 2.3 Role of skill planner in Regional development.

Unit-III

- 3.1 History of skillful Planning in India
- 3.2 Basis of sustainable agriculture in J&K
- 3.3 Planning and Management of water Resource in J&K

Unit-IV

- 4.1 Basic concept of Agro/Ecological Zones of India.
- 4.2 Introduction to planning with basic concept in context of core and periphery model.
- 4.3 Basic Planning for Backward Areas.

Note: Examination Scheme for Skill Enhancement Course.

Internal- 1	Syllabus to be covered in the Exam	Weightage (Marks)	Duration
1. Five Theoretical Questions of Four (4) marks each. (20 Marks). 2. Two Practical Exercise from each unit, students have to attempt one question from each unit of ten (10) marks each. (20 Marks)	50 % syllabus i.e. two units.	40	2 hrs
Internal Final	Syllabus to be covered in the Exam	Weightage (Marks)	Duration
1. Five Theoretical Questions of Four (4) marks each. (20 Marks). 2. Eight Practical Exercises, two from each unit. Students have to attempt one question from each unit of Ten (10) marks each. (40 marks)	100 % syllabus	60	3 hrs

Books Recommended

1. Blij H. J. De, 1971: *Geography: Regions and Concepts*, John Wiley and Sons.
2. Claval P.I, 1998: *An Introduction to Regional Geography*, Blackwell Publishers, Oxford and Massachusetts.
3. Friedmann J. and Alonso W. (1975): *Regional Policy - Readings in Theory and Applications*, MIT Press, Massachusetts.
4. Gore C. G., 1984: *Regions in Question: Space, Development Theory and Regional Policy*, Methuen, London.
5. Peet R., 1999: *Theories of Development*, The Guilford Press, New York.
6. UNDP 2001-04: *Human Development Report*, Oxford University Press.
7. World Bank 2001-05: *World Development Report*, Oxford University Press, New

