

**FACULTY OF ARTS**  
**SYLLABUS FOR THE BATCH FROM THE YEAR 2023 TO**  
**YEAR 2026**

**Programme Code: BA**  
**Programme Name: Bachelor of Arts**  
**(Semester I-II)**

**Examinations: 2023-2026**



**Department of Geography**  
**Khalsa College, Amritsar**  
**An Autonomous College**

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(b) Subject to change in the syllabi at any time.  
(c) Please visit the College website time to time.

<b>S.No.</b>	<b>PROGRAMME OBJECTIVES</b>
1.	Education related to different domains will enable students to acquire knowledge in languages, humanities and social science.
2.	This programme will be helpful in cultivating critical thinking among students.
3.	It will enable students to comprehend different concepts globally in order to develop holistic understanding of the world and society.
4.	It will provide awareness to students regarding ethical, psychological and political issues in order to increase their sense towards rights and responsibilities towards others.
5.	It will create a better understanding of theories, concepts and methodology related to humanities and social sciences among students.
6.	It will improve the divergent ability of students by exploring the domains of creative arts.
7.	It will provide better career opportunities to students in various sectors.
8.	It will enable students to apply human values to improve human security.

<b>S.No.</b>	<b>PROGRAMME SPECIFIC OUTCOMES (PSOS)</b>
PSO-1	To explore the fundamental concepts of the Atmosphere, Oceans and Earth s surface.
PSO-2	To familiarize the students with the basic map making and reading techniques.
PSO-3	To make them understand aspects of regional development and planning.
PSO-4	To give the students general view and importance of men and environment relationship.
PSO-5	To make the students aware about the physiographic divisions and economic resources of India.
PSO-6	To refrain the theoretical knowledge of the students of what, where and why in geography through field survey.
PSO-7	To motivate students to understand the disaster risk and to take actions appropriately against such Risk with their own will

**Course scheme (Geography) for Credit Based Evaluation and Grading System (CBEGS) in  
Under Graduate Programme as per  
NEP-2020**

**Session- 2023-24**

<b>COURSE SCHEME</b>											
<b>SEMESTER - I</b>											
<b>Course Code</b>	<b>Course Name</b>	<b>Hours/Week</b>	<b>Credits</b>			<b>Total Credits</b>	<b>Max Marks</b>				<b>Page No.</b>
			<b>L</b>	<b>T</b>	<b>P</b>		<b>Th</b>	<b>P</b>	<b>IA</b>	<b>Total</b>	
<b>Major Courses</b>											
<b>BGEO-1119</b>	<b>Physical Geography-I (Geomorphology)</b>	<b>4 Theory 2 Practical</b>	<b>3</b>	<b>-</b>	<b>1</b>	<b>4</b>	<b>50</b>	<b>25</b>	<b>25</b>	<b>100</b>	<b>4-7</b>

<b>SEMESTER - II</b>											
<b>Course Code</b>	<b>Course Name</b>	<b>Hours/Week</b>	<b>Credits</b>			<b>Total Credits</b>	<b>Max Marks</b>				<b>Page No.</b>
			<b>L</b>	<b>T</b>	<b>P</b>		<b>Th</b>	<b>P</b>	<b>IA</b>	<b>Total</b>	
<b>Major Courses</b>											
<b>BGEO-1219</b>	<b>Physical Geography-I (Climatology &amp; Oceanography)</b>	<b>4 Theory 2 Practical</b>	<b>3</b>	<b>-</b>	<b>1</b>	<b>4</b>	<b>50</b>	<b>25</b>	<b>25</b>	<b>100</b>	<b>8-11</b>
<b>VGEO-102</b>	<b>Disaster Management</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>2</b>	<b>25</b>	<b>25</b>	<b>-</b>	<b>50</b>	<b>12-13</b>

**(Session-2023-26)**  
**SEMESTER-I**  
**COURSE CODE-BGEO-1119**  
**GEOGRAPHY**  
**PHYSICAL GEOGRAPHY-I**  
**GEOMORPHOLOGY**  
**(Theory)**

**Total Credits: 4**

**L- T- P**

**3- 0- 1**

**Max. Marks: 100**

**(Theory: 50**

**Internal Assessment: 25**

**Practical:25)**

**Time:3 hours**

**Instructions for the Paper Setters:**

1. A compulsory question containing 12 short answer type questions will be set covering the whole syllabus. The students will attempt any 10 questions in about 20– 30 words each. Each question will carry 1marks (Total 10 marks).
2. The whole syllabus will be divided into 4 units. Eight questions will be set out of the whole syllabus, 2 from each unit. The students will be required to attempt one question from each unit. Each question carrying 10 marks. These will be in addition to the compulsory question at serial number 1 (Total 40 marks).
3. Special credit will be given to suitable use of maps and diagrams.

**Course objectives:**

To understand the process that shape landforms around us. To apply geomorphological concepts to problems of slope instability and try to identify the factors responsible for landslides occurrence in various environment.

**UNIT-I**

**Physical Geography:** Definition and divisions

**Theories of the Origin of the Earth:** Kant, Laplace and Jeans & Jeffreys

**Major Landforms:** Mountains, plateaus and plains in the world

**UNIT-II**

**Orogenic and Epirogenic Movements of earth:** Folding and faulting

**Continental drift theory:** with special reference to Wegener's theory and Plate Tectonic.

**UNIT-III**

**Rocks:** Their origin, classification and characteristics.

**Earthquake and volcanoes:** Causes, effects, types and Distributions.

## UNIT-IV

**Geomorphological landscapes:** Fluvial, Glacial, Aeolian, coastal.

### Books recommended

1. Chawla, I.N.: Bhautik Bhugol (in Punjabi), Bharat Prakashan, Jalandhar.
2. Dayal, P.: A Text Book of Geomorphology, Rajesh Publications New Delhi, 2007.
3. Dury, G.H.: The Face of the Earth Penguin, Middlesex, England, 1977.
4. Gass, I.G.: Understanding the Earth, The Artemrs Press, Sussex, 1973.
5. Holmes Arthur: Principles of Physical Geology, Thomas Nelson & Sons, Ltd., New York, Latest Edition, 1993.
6. Kale, V. and Gupta A.: Elements of Geomorphology, Oxford University Press, Calcutta, 2001.
7. Kaur Dhian: The Earth, Edited by R.C. Chandna, Kalyani Publishers, Ludhiana, Delhi, 2000.
8. Nizamuddin: An Introduction to Physical Geography, Concept, New Delhi, 2002.
9. Mamoria, C.P. and Niati, J.L.: Bhautik Bhugol Ke Tatwa (in Hindi)Agra, 1976.
10. Monkhouse, F.J.: Principles of Physical Geography, Orient Longman, New Delhi, Latest Edition, 1975.
11. R.N. Tikha: Physical Geography, New Academic Publishing Co., Jalandhar.
12. Singh, Pritam & Bhatia S., Bhautik Bhugol De Adhaar, Punjabi University Publication, Patiala.
13. Singh, Savinder: Physical Geography, Pravalika Publications, Allahabad, 2015.
14. Sparks, B.W.: Geomorphology, Longman, London, 1986.
15. Strahler, A.N. & Strahler A.H.: Modern Physical Geography, John Wiley, New York, 1992.
16. Thornbury, W.D.: Principles of Geomorphology, Second Edition, Wiley Eastern Ltd., New Delhi, 1993.
17. Singh Malkiat: Principles of Physical Geography, Rasmeet Parkashan, Jalandhar, 2005, Reprint

<b>Course outcomes:</b>	
<b>Sr. No.</b>	<b>On completing the course, the students will be able to:</b>
<b>CO-1</b>	Understand the landforms in systematic way.
<b>CO-2</b>	Gain knowledge on the influence of various types of rocks on the development and evolution of the landforms.
<b>CO-3</b>	Study landforms and the related processes from the traditional concept to the contemporary development in geography.

**(Session - 2023-26)**  
**SEMESTER – I**  
**GEOGRAPHY**  
**CARTOGRAPHY-1**  
**(PRACTICAL)**

**Time: 3 Hours**

**Instructions for the Paper Setters:**

1. A compulsory question containing 4 short answer type questions will be set covering the whole syllabus. The students will attempt 2 short answer type questions in about 25–30 words each. Each short answer type question will carry 1 mark **(Total 2 marks)**.
2. The whole syllabus will be divided into 2 units. Eight questions will be set out of the whole syllabus, four from each unit. The students will be required to attempt two questions from each unit. Each question will carry 2 marks. These will be in addition to the compulsory question at serial number 1 **(Total 8 marks)**
4. Evaluation of Practical record **(8 Marks)** will be done at the time of viva–voce **(7 marks)** examination. A minimum of 12 sheets are to be prepared by the students in each semester.
5. In case the candidate has applied for the improvement, he/she should be required to make a fresh practical note book.
6. For practical classes, the number of students in one group shall not exceed fifteen.

**COURSE OBJECTIVES**

Geography is amalgam of physical as well as social sciences and such as it is necessary for the students to go through laboratory exercises. The concept of scale is to be understood in the initial stage and also different methods of representing relief.

**UNIT–I**

**Maps and Scale:** History of Cartography and types of maps, Scales: types of scales, methods of construction of graphic scales–plain scales, diagonal scales and comparative scales– different units, time scales.

**UNIT–II**

**Representation of Relief:**

Spot heights, trigonometrically stations, Bench Marks, formlines, Contours, Hachures, Hill–shading and Layer tints.

**Recommended Books:**

1. Khullar, D.R.: Essentials of Practical Geography, New Academic Publishing Co., Mai Hiran Gate, Jalandhar, 2016.
2. Singh, Gopal: Mapwork and Practical Geography, Vikas Publishing House, Pvt. Ltd., New Delhi, 1995.
3. Singh L.R. & Singh, Raghunandan: Mapwork and Practical Geography, Central Book Depot, Allahabad, 1993.
4. Phyllis Dink: Mapwork, Atma Ram & Sons, 1991

5. Mishra, R.P. & Ramesh, A.: Fundamental of Cartography, Concept Publishing Co., NewDelhi, 1989.
6. Monkhouse, F.J. & Wilkinson, H.R.: Maps and Diagrams, Methuen & Co., London, Third Edition, 1976.
7. Robinson, A.H. & Randall, D. Sale: Elements of Cartography, John Wiley & Sons, New York, (SixthEdition), 1995.

<b>Course outcomes:</b>	
<b>Sr. No.</b>	<b>On completing the course, the students will be able to:</b>
<b>CO-1</b>	Development the skills of map making and its importance
<b>CO-2</b>	Development of observation skills.
<b>CO-3</b>	Recognize basic themes of map making

(Session - 2023-26)  
**SEMESTER-II**  
**COURSE CODE-BGEO-1219**  
**GEOGRAPHY**  
**PHYSICAL GEOGRAPHY-II**  
**CLIMATOLOGY&OCEANOGRAPHY**  
(Theory)

**Total Credits: 4**

**L- T- P**

**3- 0- 1**

**Max. Marks: 100**

**(Theory: 50**

**Internal Assessment:25**

**Practical:25**

**Time:3 hours**

**Instructions for the Paper Setters:**

1. A compulsory question containing 12 short answer type questions will be set covering the whole syllabus. The students will attempt any 10 questions in about 20–30 words each. Each question will carry 1marks (**Total 10 marks**).
2. The whole syllabus will be divided into 4 units. Eight questions will be set out of the whole syllabus, 2 from each unit. The students will be required to attempt one question from each unit. Each question carrying 10 marks. These will be in addition to the compulsory question at serial number 1 (**Total 40 marks**).
3. Special credit will be given to suitable use of maps and diagrams.

**COURSE OBJECTIVES:**

The main objective of climatology to study the unique characteristics of atmosphere in controlling the global climate, origin, types of Climate, causes and processes influencing the climatic variations and elements of weather.

**UNIT-I**

**Climatology:** Definition of Climate and Weather and its element and controls.

Physical structure of the atmosphere and attributes of different layers.

Chemical composition of the atmosphere: Dust particles, vapor, particles, active gases, Inert gases

**Insolation and Temperature:** Factors affecting insolation, factors affecting temperature of a place. Vertical and horizontal distribution of temperature.

**UNIT-II**

**Winds distribution:** Atmospheric Pressure belts and Planetary winds characteristics.

**Atmospheric Distribution:** Cyclones and Anticyclones

**Atmospheric Moisture:** Precipitation forms and types of rainfall.



### UNIT-III

**Oceanography:** Definition of oceanography

**Topography of the ocean basins;** continental shelf, continental slope, deep sea plains and oceanic deep.

**Features:** Trench, trough, oceanic ridge, guyots, seamount

Salinity of ocean water, Temperature of Ocean water

### UNIT-IV

#### **Movements of Oceanic Waters:**

Surface currents of the oceans: Pacific, Atlantic, Indian Marine Flora, Fauna and Deposits.

#### **Recommended Books:**

1. Bhutani, Smita: Our Atmosphere, Edited by R.C. Chandna, Kalyani Publishers, Ludhiana, Delhi, 2002.
2. Critchfield, H.J.: General Climatology, Prentice Hall of India, Private Ltd., New Delhi, 1983.
3. Gross, Grant, M.: Oceanography: A View of the Earth, Prentice Hall, New Jersey, 1995.
4. Lal, D.S.: Climatology, Sharda Pustak Bhawan, Allahabad, 2011.
5. Mathew, J.R.: Climatology, McGraw Hill, New Latest Edition.
6. Monkhouse, F.J.: The Principles of Physical Geography, University of London Press, London Latest Edition, 1975.
7. Pattersen, S.: Introduction to Meteorology, McGraw Hill Book Co., London, Latest Edition.
8. Stringer, E.T.: Foundations of Climatology. Subject Publications, Delhi, 1982.
9. Trewartha, G.T.: An Introduction to Climate, McGraw Hill Book Co., New Delhi, International Student Edition, 1980.
10. Khan, N.: An Introduction to Physical Geography. Concept New Delhi, 2002.
11. King, C.A.M.: Beaches and Coasts, E. Arnold, London, 1959.
12. King, C.A.M.: Oceanography, E. Arnold, London, Latest Edition.
13. Sharma, R.C. & M. Vatel: Oceanography for Geographers, Chetyna, Allahabad 1970.
14. Shepar, F.P. : Submarine Geology, Harper & Sons, New York, 1948.
15. Sverdrup, H.U. et.al. : The Oceans. Prentice Hall, New Jersey, U.S.A. 1959.
16. Singh, Savinder: Physical Geography, Pravalika Publications, Allahabad, 2015.

<b>Course outcomes</b>	
<b>Sr. No.</b>	<b>On completing the course, the students will be able to:</b>
<b>CO-1</b>	Greater understanding of the nature scope of climatology.
<b>CO-2</b>	Acquire clear concepts of climatology.
<b>CO-3</b>	3 Interaction between the earth s atmosphere and the earth s surface and how atmospheric moisture works.
<b>CO-4</b>	4 Ability to analyze physical and chemical properties of sea water, bottom relief and distribution of oceanic resources.

**(Session - 2023-26)**  
**SEMESTER – II**  
**GEOGRAPHY**  
**CARTOGRAPHY–II**  
**(PRACTICAL)**

**Instructions for the Paper Setters:**

1. A compulsory question containing 4 short answer type questions will be set covering the whole syllabus. The students will attempt 2 short answer type questions in about 25–30 words each. Each short answer type question will carry 1 mark (**Total 2 marks**).
2. The whole syllabus will be divided into 2 units. Eight questions will be set out of the whole syllabus, four from each unit. The students will be required to attempt two questions from each unit. Each question will carry 2 marks. These will be in addition to the compulsory question at serial number one. (**Total 8 marks**)
3. Evaluation of Practical record (**8 Marks**) will be done at the time of viva voce (**7 Marks**) examination. A minimum of 12 sheets are to be prepared by the students in each semester.
4. In case the candidate has applied for the improvement, he/she should be required to make a fresh practical note book.
5. For practical classes, the number of students in one group shall not exceed fifteen.

**COURSE OBJECTIVES:**

Particularly to show directions and bearing and different methods of representing relief knowledge of directions and bearings is essential and an introduction to weather maps is also required.

**UNIT-I**

**Bearing, Enlargement and reduction:**

**Direction and bearing:** Plotting of a course, true north, magnetic north, finding true north with the pole star, watch method and a rod method and its conversion.

Enlargement and Reduction: Graphic method- Square and triangle

**UNIT–II**

**Weather Maps:**

General Introduction to the study of weather maps, the scheme of weather symbols including Beaufort's scale employed in Indian daily weather maps; weather in India: summer season (period of summer monsoon), winter season, forecasting of weather through the study of weather maps and recent advances in weather forecasting.

**Recommended Books:-**

1. Khullar, D.R.: Essentials of Practical Geography, New Academic Publishing Co., Mai Hiran Gate, Jalandhar, 2016.
2. Singh, Gopal: Mapwork and Practical Geography, Vikas Publishing House, Pvt. Ltd., New Delhi, 1995.
3. Singh L.R. & Singh, Raghunandan: Mapwork and Practical Geography, Central Book Depot, Allahabad, 1993.

4. Phyllis Dink: Mapwork, Atma Ram & Sons, 1991.
5. Mishra, R.P. & Ramesh, A.: Fundamental of Cartography, Concept Publishing Co., New Delhi, 1989.
6. Monkhouse, F.J. & Wilkinson, H.R.: Maps and Diagrams, Methuen & Co., London, Third Edition, 1976.
7. Robinson, A.H. & Randall, D. Sale: Elements of Cartography, John Wiley & Sons, New York, (Sixth Edition), 1995.

<b>COURSE OUTCOMES</b>	
<b>S.NO.</b>	<b>On completing the course, the students will be able to:</b>
<b>CO-1</b>	Understand the symbols of weather maps.
<b>CO-2</b>	Understand the conventional symbols.
<b>CO-3</b>	Students will gain in depth knowledge of all directions

**(Session 2023-2026)**  
**B.A. SEMESTER-V**  
**CORSE CODE-VGEO-102**  
**GEOGRAPHY**  
**DISASTER MANAGEMENT**

**Time: 1 Hour**

**Total Credit:2**  
**L-T-P**  
**1-0-1**  
**Max. Marks: 50**  
**(Theory: 25**  
**Practical: 25)**

**Instructions for the Paper Setters:**

In theory, there will be 25 questions of 1 mark each. All questions are compulsory. Answer to each question shall be in 50 words approximately. In practical, students have to submit one assignment.

**Course Objectives:** Develop an understanding of standard of humanitarian response and practical relevance in specific types of disasters and conflict situations. Understand the strength and weaknesses of disaster management approaches, planning and programming.

**UNIT-I**

**Understanding disaster;** Meaning, Factors and Significance, Causes and effects. Disasters a global view, Profile of India; Regional and seasonal

**Typology of Disasters;** Earthquakes, Flood and Drainage, Cyclone, Drought and Famine, Landslides, Fire and Forest fire

**UNIT-II**

**Essentials and Disaster preparedness:** Planning, communication, Leadership and coordination Warehouse and stock piling

Disaster management and Awareness: Human behavior and response, Individual community, Institutions, Community participations and awareness public awareness, public awareness Programme.

<b>Course Outcomes</b>	
<b>CO-1</b>	Provide basic conceptual understanding of disasters and its relationship with Development.
<b>CO-2</b>	Build skills to respond to disasters
<b>CO-3</b>	Enhance awareness of disaster risk management.

**References:**

1. Green, Stephen, 1980. International disaster relief: Towards A Responsive System; McGraw Hill Book Company, New York.
2. Ross, Simon, 1987. Hazard Geography; Longman, UK
3. Mishra, Girish K, and G C Mathur (Eds), 1993. Natural Disaster Reduction Reliance Publishing house.
4. Prakash, Indu, 1994 Disaster Management, Rastra Prahari, Prakashan Ghaziabad.