

SYLLABUS
FOR
B. A.
Semester-I-VI

Subject: Geography
Session: 2018-19



KHALSA COLLEGE AMRITSAR
(AN AUTONOMOUS COLLEGE)

- Note:** (i) **Copy rights are reserved.**
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Defaulters will be prosecuted.
(ii) **Subject to change in the syllabi at any time.**

(Session - 2018-19)
SEMESTER – I
GEOGRAPHY
PHYSICAL GEOGRAPHY–I: GEOMORPHOLOGY
(Theory)

Time: 3 Hours

Max. Marks: 100
Theory Marks: 45
Practical Marks: 30
Internal Assessment: 25

Instructions for the Paper Setters:

1. A compulsory question containing 10 short answer type questions will be set covering the whole syllabus. The students will attempt any 5 questions in about 20–30 words each. Each question will carry 1 marks (**Total 5 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.

Unit–I

Geography:

Definition, place of physical geography within the discipline of geography, division of physical geography–geomorphology, climatology, oceanography. Theories of the Origin of the Earth: Kant, Laplace and Jeans & Jeffreys.

Interior of the Earth:

Constitution, structure and composition, continental drift (with special reference to Wegener’s theory and Plate Tectonics), isostasy.

Unit–II

Movements of the Earth:

Organic, epeirogenic movements; landforms resulting from forces of compression and tension: folding and faulting; mountain building theories (Geosyncline, Convection Current), earthquakes and volcanoes (causes, types and distribution).

Unit–III

Rocks: Their origin, classification and characteristics.

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

Geomorphic Agents: Geomorphic processes (weathering and erosion)

Unit–IV

Geomorphological Landscapes: Fluvial, glacial, aeolian, volcanic, coastal, Karst.

Applied Geomorphology: Applications to transport, landuse, earthquake disaster and its management.

(Session - 2018-19)
SEMESTER – I
GEOGRAPHY
CARTOGRAPHY–I
(PRACTICAL)

Time: 3 Hours

Max. Marks: 30

Written Paper of 3 Hours: 15 Marks

Practical Record (File): 08 Marks

Viva: 07 Marks

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, from Lines, Contours, Hachures, Hill–shading and Layer tints.

Note:

- 1.** A compulsory question containing 10 short answer type questions will be set covering the whole syllabus. The students will attempt 6 short answer type questions in about 25–30 words each. Each short answer type question will carry ½ marks (**Total 3 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 3 marks. These will be in addition to the compulsory question at serial number **1 (Total 12 marks)**
- 3.** Evaluation of Practical record will be done at the time of viva–voce 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.

(Session - 2018-19)
SEMESTER – II
GEOGRAPHY
PHYSICAL GEOGRAPHY – II
CLIMATOLOGY & OCEANOGRAPHY
(Theory)

Time: 3 Hours

Max. Marks: 100
Theory Marks: 45
Practical Marks: 30
Internal Assessment: 25

Instructions for the Paper Setters:

1. A compulsory question containing 10 short answer type questions will be set covering the whole syllabus. The students will attempt any 5 questions in about 20–30 words each. Each question will carry 1marks (Total 5 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.

Unit–I

Climatology:

Definition of Climate and Weather.

Climate:

Elements and controls. Physical structure of the atmosphere and attributes of different layers, Physical and Chemical composition of the atmosphere: Dust particles, vapour particles, active gases, inert gases.

Insolation and Temperature:

Horizontal distribution of insolation, factors affecting temperature of a place, vertical and horizontal and annual, seasonal and diurnal distribution of temperature.

Unit–II

Atmospheric Pressure and Winds Distribution:

Atmospheric disturbances (Tropical cyclones, temperate cyclones and anticyclones).

Atmospheric Moisture:

Forms of condensation – Cloud, dew, fog and frost. Precipitation forms and types. World patterns of precipitation: Spatial and seasonal.

Climatic Classifications and their Bases:

Elementary discussion of Koppen’s classification of climates and climatic types.

Role of Climate in Human Life:

Atmospheric pollution and global warming – general causes, consequences and measure of control.

Unit-III

Oceanography:

Definition, topography of the ocean basins; continental shelf, continental slope, deep sea plain and oceanic deep.

Features:

Trench, trough, oceanic ridge, guyots, seamount. Factors controlling the world patterns of distribution of temperature and salinity in the ocean waters.

Unit-IV

Movements of Oceanic Waters:

Waves and currents. Surface currents of the oceans. Marine

Flora, Fauna and Deposits, Corals. Ocean as storehouse of resources for the fu

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(Faculty of Arts & Social Sciences)

(Session - 2018-19)
SEMESTER – II
GEOGRAPHY
CARTOGRAPHY–II
(PRACTICAL)

Time: 3 Hours

Marks: 30
Written Paper of 3 Hours: 15 Marks
Practical Record (File): 08 Marks
Viva: 07 Marks

Unit–I

Bearings, Enlargement and Reduction:

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

Enlargement and Reduction: Graphic methods–square and triangle; instrumental methods–Pantographic, Xeroxing photographic.

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.

Note:

1. A compulsory question containing 10 short answer type questions will be set covering the whole syllabus. The students will attempt 6 short answer type questions in about 25–30 words each. Each short answer type question will carry ½ mark (Total 3 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 3 marks. These will be in addition to the compulsory question at serial number one. **(Total 12 marks)**
3. Evaluation of Practical record will be done at the time of viva–voce 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.

B.A./B.Sc. (Semester System) (12+3 System of Education)
(Faculty of Arts & Social Sciences)

(Session-2018-2019)

Semester-III

GEOGRAPHY

Paper-I: Resources and Environment: World Patterns

(Theory)

Time: 3 Hours Max. Marks: 100

Theory Marks: 50

Practical Marks: 30

Internal Assessment: 20

Note: Instructions for the Paper Setters:

1. A compulsory question containing 15 short answer type questions will be set covering the whole syllabus. The students will attempt any 10 parts in about 20-30 words each. Each part will carry 1 marks (Total 10 marks).
2. The whole syllabus will be divided into 4 units. Eight questions will be out of the whole syllabus, 2 from each unit. The students will be required to attempt one question from each unit. These will be in addition to the compulsory question at serial number 1. Each question will carry 10 marks (40 marks)
3. Special credit will be given to suitable use of maps and diagrams.
4. In Unit-II question will focus on general aspects of the topic instead of on any individual resources.

Course Contents:

Unit - I

Environment and Resources:

Meaning, nature and components of environment. Nature and definition of Resources. Resources environment interface.

Biotic abiotic, Exhaustable and inexhaustable, Potential and Developed Agricultural and Pastoral, Mineral and Industrial.

Unit - II

Distribution availability, utilization and conservation of water, minerals (in general) and energy resources; their economic and environmental significance and sustainability.

Types and distribution of forests—their economic and environmental significance and conservation.

Types and distribution of fisheries—their economic and environmental significance and conservation.

Major soil types and their distribution; problems of soil erosion and soil conservation.

Unit-III

Human Resources: Population Explosion. **Population Resources Relationship :** Population-Resource Regions of the world.

Unit-IV

Environment: Natural and Human, Man-environment relationship—determinism, Possibilism, ecology.

Biodiversity

Environmental Issues: Pollution; food security; deforestation; conservation of wild life.

B.A./B.Sc. (Semester System) (12+3 System of Education)
(Faculty of Arts & Social Sciences)

(Session-2017-2018)
Semester—III
GEOGRAPHY
Paper-II: Cartography
(Practical)

Time: 3 Hours

Written Paper of 3 Hours: 15 Marks
Practical Record (File): 08 Marks
Viva: 07 Marks
Total Marks: 30

Course Contents:

Unit—I

Symbolization of Geographical Data:

- a) **Point Symbols** :Dot, circle, sphere.
- b) **Line Symbols** :Isopleths and flow lines.
- c) **Areas Symbols** :Choropleth.

Unit—II

Construction and Significance of the following:

- a) Columnar diagrams : Simple, superimposed, composite.
- b) Graphs : Line graphs, climograph, hythergraph, erograph, wind rose.

Note:

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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 3 marks. These will be in addition to the compulsory question at serial number 1. (Total 12 marks)
3. Evaluation of Practical Record will be done at the time of viva-voice examination.
- 4 A minimum of 16 sheet are to be prepared by each student.
- 5 In case, the candidate has applied for 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.

B.A./B.Sc. (Semester System) (12+3 System of Education)
(Faculty of Arts & Social Sciences)

(Session-2018-2019)
Semester-IV
GEOGRAPHY
Paper-I: Geography of Punjab
(Theory)

Time: 3 Hours Max. Marks: 100
Theory Marks: 50
Practical Marks: 30
Internal Assessment: 20

Note: Instructions for the Paper Setters:

1. A compulsory question containing 15 short answer type questions will be set covering the whole syllabus. The students will attempt any 10 parts in about 20-30 words each. Each part will carry 1 marks (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. These will be in addition to the compulsory question at serial number 1. Each question will carry 10 marks. (Total 40 Marks).
3. Special credit will be given to appropriate use of maps and diagrams.

Objective:

1. To understand the regional setting of Punjab State in detail through physical and political maps.
2. To examine the pattern of select population characteristics.
3. To study the distribution of major crops, industries and transport links in the state.
4. To understand the intra regional variations in the select aspects.

Unit—I

Location, evolution of the state, administrative divisions. Relief, drainage, climate, soils, vegetation, mineral and power resources.

Unit—II

Population: Numbers, distribution, density, growth (birth rate, death rate and migration), religious composition, urbanization.

Agriculture: Main characteristics including green revolution, irrigation, main crops (wheat, rice, cotton, sugarcane) and their distribution, agricultural marketing, livestock and dairying, problems of agriculture.

Unit—III

Industries: Main characteristics, distribution pattern of major industries (cotton textile, sugar, hosiery, engineering) industrial concentration, problems of industrialization.

Transport and Trade: Road, rail and their transport; inter-state trade.

Unit—IV

Regional Geography of Majha, Doaba, Malwa and major characteristics of each region.

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(Faculty of Arts & Social Sciences)

(Session-2017-2018)

Semester-IV

GEOGRAPHY

**Paper-II: Map work and Practical Geography
(Practical)**

Written Paper of 3 Hours: 15 Marks

Practical Record (File): 08 Marks

Viva: 07 Marks

Total Marks: 30

Time: 3 Hours

Course Contents:

Unit—I

- a) Cartographic Representation of : Population data (distribution, density, growth, migration and literacy)
- b) Agriculture data (land utilization, distribution of crops, percentage of cropped area and irrigated areas).
- c) Industrial data (distribution, employment and production)
- d) Transport data (traffic flow).

Unit—II

Topographical Maps : Significance of topographical maps in geographical studies. Study and Interpretation of topographical Maps of India (two sheets: one representing a hilly/mountainous tract and the other a plain tract).

Basic Introduction to Remote Sensing and GIS (Geographical Information System).

Note:

1. A compulsory question containing 10 short answer type questions will be set covering the whole syllabus. The students will attempt 6 short answer type questions in about 25–30 words each. Each short answer type question will carry ½ Mark (**Total 3 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 3 marks. These will be in addition to the compulsory question at serial number 1. (**Total 12 marks**)

SESSION - 2018-19
SEMESTER – V
GEOGRAPHY
World Geography
(Theory)

Time: 3 Hours

Max. Marks:

100

Theory Marks: 50

Practical Marks: 30

Internal Assessment: 20

Instructions for the Paper Setters:

1. A compulsory question containing 15 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 1 marks (**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 Contents:

Study of the following regions of the World in terms of the aspects mentioned in each unit.

1. Anglo America.
2. Australia.
3. Africa South of Sahara.

UNIT-I

- a) Location.
- b) Physiographic divisions.
- c) Drainage & Climate.
- d) Soils and Natural Vegetation.

UNIT-II

- a) Major minerals
- b) Agricultural crops

UNIT-III

- a) Demographic Characteristics.

UNIT-IV

- a) Industries
- b) Transport

Books Recommended

1. Blij, Harm J.de Peter, O. Muller: Geography: Regions and Concepts, John Wiley, New York, 1993.
2. English, Paul Ward & James, A. Miller: World Regional Geography: A Question of Place, John Wiley, New York, 1989.
3. Jackson, Richard H. & Lloyd E. Hudman: World Regional Geography Issues for Today, John Wiley, New York, 1991.
4. Kromm, D.E.: World Regional Geography, Saunders Publishing, New York, 1980.

Further Readings:

1. Don R. Hoy (Ed.): Essentials of Geography and Development, Macmillan, New York, 1980.
2. Mankoo, Darshan Singh: A Regional Geography of the World, Kalyani Publishers, Ludhiana.
3. Singh, Malkiat : World Regional Geography, Rasmeet Prakashan, Jalandhar, (Pb.)
4. Trikha, R.N. and Bali P.K. and Sekhon, M.S.: World Regional Geography, New Academic Publishers, 2002.

SESSION - 2018-19
SEMESTER –V
GEOGRAPHY
CARTOGRAPHY–V
(PRACTICAL)

Time: 3 Hours

Marks: 30

Written Paper of 3 Hours: 15 Marks

Practical Record (File): 08 Marks

Viva: 07 Marks

Instructions:-

1. There will be total four questions (two questions each from Unit-I and Unit-II).
2. The students are required to attempt one question each from both the units.
3. All Questions carry eight marks.

UNIT–I

General introduction and classification of projections, constructions, properties, limitations and use of projections, general principles of identification and choice of projections.

Construction, properties and limitations of following map projections: Cylindrical: Equal-Area and Mercator's. Conical: One Standard Conic, Two Standard Conic.

UNIT–II

Construction, properties and limitations of following map projections: Zenithal: Gnomonic, Stereographic, Orthographic, Equi-distant and Equal- Area (Polar cases only). Introduction to Sinusoidal and Mollweide's Projections.

Note:

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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 3 marks. These will be in addition to the compulsory question at serial number one. **(Total 12 marks)**
3. Evaluation of Practical record will be done at the time of viva–voce 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.

Books Recommended:

1. Kellaway, George P.: Map Projections, Methue and Co., London.
2. Singh, Gopal: Mapwork and Practical Geography, Surjeet Book Depot, Delhi, 1993.
3. Singh, Malkiat: Cartography, Rasmeet Prakashan, Jalandhar, 2006.
4. Singh, L.R: Practical Geography, Chaitanya, Publishing House, Allahabad, 2006.

SESSION - 2018-19
SEMESTER – VI
GEOGRAPHY
India Geography
(Theory)

Time: 3 Hours

Max. Marks: 100
Theory Marks: 50
Practical Marks: 30
Internal Assessment: 20

Instructions for the Paper Setters:

1. A compulsory question containing 15 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 1 marks (**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 Content

UNIT–I

India in the context of South Asia, Asia and the World. Relief, drainage, climate, vegetation.

UNIT–II

Mineral Resources: Iron-ore, copper, gold; and power resources.

Population: Numbers, distribution and density, growth, migration, urbanization.

UNIT–III

Agriculture-Characteristics of Indian agriculture; land use pattern, major crops (rice, wheat, sugarcane, cotton, tea,) Green revolution in India ,problems of Indian agriculture.

UNIT–IV

Industries-Distribution and localization factors of major industries (iron and steel, cotton textiles, sugar, fertilizers)

Transport: Rail, Road, airways and waterways.

Books Recommended:

1. Deshpande, C.D.: India: A Regional Interpretation, Northern Book, Centre, New Delhi.
2. Johnson, B.L.C.: South Asia, Heinemann, London, 1981.
3. Spate, O.H.K. & Learmonth, A.T.A.: India and Pakistan: A General and Regional Geography, Methuen, London, 1967.
4. Tirtha, Ranjit & Krishan, Gopal: Emerging India: A Geographical Introduction, Conoub, Ann Arber, Michigan (U.S.A.) 1992.
5. Malkiat Singh: Geography of India, Rasmeet Prakashan, Jalandhar.
6. D.S. Mankoo: Geography of India, Kalyani Publishers, Jalandhar.
7. D.R. Khullar: Geography of India, New Academic Publishing Co., Jalandhar

SESSION - 2018-19
SEMESTER – VI
GEOGRAPHY
CARTOGRAPHY–VI (PRACTICAL)

Time: 3 Hours

Marks: 30
Written Paper of 3 Hours: 15 Marks
Practical Record (File): 08 Marks
Viva: 07 Marks

Instructions:

1. There will be total four questions (two questions each from Unit–I and Unit–II).
2. The students are required to attempt one question each from both the units.
3. All Questions carry ten marks each.

UNIT–I

- a) Role of field work in Geography.
- b) Scale of study and field work methodology.

UNIT–II

- a) Methods of collecting Primary data (questionnaire, observation, interview and measurement) and Secondary data and parts of report.
- b) Methods of field study of: a Farm, a Village, a Town and Physical Features of an area.

Books Recommended:

1. Jones, P.A.: Field Work in Geography, Longman, London, 1968.
2. Archer, J.E. & Dalton T.H.: Field Work in Geography, E.T. Bastford Ltd., London, 1968.
3. Singh, Gopal: Map work and Practical Geography, Surjeet Book Depot, Delhi, 1993.