

**BOARD OF SECONDARY & SENIOR SECONDARY SCHOOL EDUCATION
ALIGARH MUSLIM UNIVERSITY, ALIGARH (2020-21)**

**CLASS XII
GEOGRAPHY
COMPLETE SYLLABUS**

Remark: Highlighted portion in the following syllabus is to be taught as per the teaching schedule, however it may not be the part of any examination.

Part	Units
A	Fundamentals of Human Geography
	Unit 1: Human Geography
	Unit 2: People
	Unit 3: Human Activities
	Unit 4: Transport, Communication and Trade
	Unit 5: Human settlements
	Map Work
B	India: People and Economy
	Unit 6: People
	Unit 7: Human Settlements
	Unit 8: Resources and Development
	Unit 9: Transport, Communication and International Trade
	Unit 10: Geographical Perspective on selected issues and problems
	Map Work
	Total
C	Practical Work
	Unit 1: Processing of Data and Thematic Mapping
	Unit 2: Field study or Spatial Information Technology
	Practical Record Book and Viva Voce

COURSE CONTENT

Part A:	Fundamentals of Physical Geography
Unit 1:	Human Geography: Nature and Scope
Unit 2:	People
	+ Population-distribution, density and growth
	+ Population change-spatial patterns and structure; determinants of population change
	+ Population Composition - age-sex ratio; rural-urban

**BOARD OF SECONDARY & SENIOR SECONDARY SCHOOL EDUCATION
ALIGARH MUSLIM UNIVERSITY, ALIGARH (2020-21)**

	<p>composition</p> <p>+ Human development - concept; selected indicators, international comparisons</p>
Unit 3:	<p>Human Activities</p> <p>+ Primary activities - concept and changing trends; gathering, pastoral, mining, subsistence agriculture, modern agriculture; people engaged in agricultural and allied activities - some examples from selected countries</p> <p>+ Secondary activities-concept; manufacturing: types - household, small scale, large scale; agro based and mineral based industries; people engaged in secondary activities - some examples from selected countries</p> <p>+ Tertiary activities-concept; trade, transport and tourism; services; people engaged in tertiary activities - some examples from selected countries</p> <p>+ Quaternary activities-concept; people engaged in quaternary activities - case study from selected countries</p>
Unit 4:	<p>Transport, Communication and Trade</p> <p>+ Land transport - roads, railways; trans-continental railways</p> <p>+ Water transport- inland waterways; major ocean routes</p> <p>+ Air transport- Intercontinental air routes</p> <p>+ Oil and gas pipelines</p> <p>+ Satellite communication and cyber space- importance and usage for geographical information; use of GPS</p> <p>+ International trade- bases and changing patterns; ports as gateways of international trade; role of WTO in international trade</p>
Unit 5:	<p>Human Settlements</p> <p>+ Settlement types - rural and urban; morphology of cities (case study); distribution of mega cities; problems of human settlements in developing countries</p>
<p>Map Work on identification of features based on 1-5 units on the outline Physical/Political map of World.</p>	
Part B:	India: People and Economy
Unit 6:	People

**BOARD OF SECONDARY & SENIOR SECONDARY SCHOOL EDUCATION
ALIGARH MUSLIM UNIVERSITY, ALIGARH (2020-21)**

	<ul style="list-style-type: none"> + Population: distribution, density and growth; composition of population - linguistic, religious; sex, rural-urban and occupational-regional variations in growth of population + Migration: international, national-causes and consequences + Human development: selected indicators and regional patterns + Population, environment and development
Unit 7:	<p>Human Settlements</p> <ul style="list-style-type: none"> + Rural settlements - types and distribution + Urban settlements - types, distribution and functional classification
Unit 8:	<p>Resources and Development</p> <ul style="list-style-type: none"> + Land resources- general land use; agricultural land use;geographical conditions and distribution of major crops (Wheat, Rice, Tea, Coffee, Cotton, Jute, Sugarcane and Rubber); agricultural development and problems + Water resources-availability and utilization-irrigation, domestic, industrial and other uses; scarcity of water and conservation methods-rain water harvesting and watershed management + Mineral and energy resources- distribution of metallic (Iron ore, Copper, Bauxite, Manganese); non-metallic (Mica, Salt) minerals; conventional (Coal, Petroleum, Natural gas and Hydroelectricity) and non-conventional energy sources (solar, wind, biogas) and conservation + Industries - types, factors of industrial location; distribution and changing pattern of selected industries- iron and steel, cotton textiles, sugar, petrochemicals, and knowledge based industries; impact of liberalization, privatization and globalization on industrial location; industrial clusters + Planning in India- target group area planning (case study); idea of sustainable development (case study)
Unit 9:	<p>Transport, Communication and International Trade</p> <ul style="list-style-type: none"> + Transport and communication-roads, railways, waterways and airways: oil and gas pipelines; Geographical information and communication net works

**BOARD OF SECONDARY & SENIOR SECONDARY SCHOOL EDUCATION
ALIGARH MUSLIM UNIVERSITY, ALIGARH (2020-21)**

	+ International trade- changing pattern of India's foreign trade; sea ports and their hinterland and airports
Unit 10:	Geographical Perspective on selected issues and problems + Environmental pollution; urban-waste disposal + Urbanization, rural-urban migration; problems of slums + Land degradation
Map work on locating and labelling of features based on above units on outline map of India.	
Part C:	Practical Work
Unit 1:	Processing of Data and Thematic Mapping + Type and Sources of data: Primary, Secondary and other sources + Tabulating and processing of data; calculation of averages, measures of central tendency + Representation of data- construction of diagrams: bars, circles and flowchart; thematic maps; construction of dot; choropleth and isopleths maps + Data analysis and generation of diagrams, graphs and other visual diagrams using computers
Unit 2:	Field Study or Spatial Information Technology + Field visit and study: map orientation, observation and preparation of sketch; survey on any one of the local concerns; pollution, ground water changes, land use and land-use changes, poverty, energy issues, soil degradation, impact of floods and drought, catchment area of school, Market survey and Household survey (any one topic of local concern may be taken up for the study; observation and questionnaire survey may be adopted for the data collection; collected data may be tabulated and analyzed with diagrams and maps). Students can be given different topics to get more insight into various problems of society. OR + Spatial Information Technology Introduction to GIS; hardware requirements and software modules; data formats; raster and vector data, data

BOARD OF SECONDARY & SENIOR SECONDARY SCHOOL EDUCATION
ALIGARH MUSLIM UNIVERSITY, ALIGARH (2020-21)

	input, editing and overlay and buffer.	topology building; data analysis;
--	---	-----------------------------------

Prescribed Books:

1. Fundamentals of Physical Geography, Class XI, Published byNCERT
2. India, Physical Environment, Class XI, Published byNCERT
3. Practical Work in Geography, Class XI, Published byNCERT
4. Fundamentals of Human Geography, Class XII, Published byNCERT
5. India - People and Economy, Class XII, Published byNCERT
6. Practical Work in Geography, Class XII, Published byNCERT

Note: The above textbooks are also available in Hindi medium.

**BOARD OF SECONDARY & SENIOR SECONDARY SCHOOL EDUCATION
ALIGARH MUSLIM UNIVERSITY, ALIGARH (2020-21)**

**Fundamentals of Human Geography
Class XII - Textbook I (NCERT)**

Map Items for identification only on outline political map of the World.

Unit-1	Ch.-1	Nil	
Unit-2	Ch. 2 to 4	1	The largest country in each continent in terms of area
Unit-3	Ch. 5 to 7 Primary Activities	1	Areas of subsistence gathering
		2	Major areas of nomadic herding of the world
		3	Major areas of commercial livestock rearing
		4	Major areas of extensive commercial grain farming
		5	Major areas of mixed farming of the World
		6	Major areas of Mediterranean agriculture of the World
	Secondary Activities	1	Ruhr region, Silicon Valley, Appalachian region, Great lakes region
Unit - 4	Ch. 8 to 9	2	Transcontinental Railways: Terminal Stations of transcontinental railways– Trans siberian, Trans Canadian, Tran Australian Railways
		3	Major Sea Ports : Europe: North Cape, London, Hamburg North America: Vancouver, San Francisco, New Orleans South America: Rio De Janeiro, Colon, Valparaiso Africa: Suez, Durban and Cape Town Asia: Yokohama, Shanghai, Hong Kong, Aden, Karachi, Kolkata Australia: Perth, Sydney, Melbourne
		4.	Inland Waterways: Suez canal, Panama canal, Rhine waterway and St. Lawrence Seaway
		5.	Major Airports: Asia: Tokyo, Beijing, Mumbai, Jedda, Aden Africa: Johannesburg & Nairobi Europe: Moscow, London, Paris, Berlin and Rome North America: Chicago, New Orleans, Mexico City South America: Buenos Aires, Santiago Australia: Drarwin and Wellington
			Mega cities of the world – Tokyo, Delhi, Shanghai, Mumbai, Saopaulo

BOARD OF SECONDARY & SENIOR SECONDARY SCHOOL EDUCATION
ALIGARH MUSLIM UNIVERSITY, ALIGARH (2020-21)

India - People and Economy
Class XII-Textbook II (NCERT)

Map Items for locating and labelling only on the outline political map of India

Units - 6 & 7	Ch. 1 to 4	<ul style="list-style-type: none">• State with highest level of urbanization and lowest level of urbanization• One state with highest level of HDI & One lowest level of HDI• State with higher level of population density & one state with lowest level of population density• One out migrating state• One in migrating state• Any city with more than 10 million population – Greater Mumbai, Delhi, Kolkata, Chennai, Bengaluru
Unit - 8	Ch. 5 to 9	<p>Leading producing states of the following crops: (a) Rice (b) Wheat (c) Jowar (d) Cotton, (e) Jute (f) Sugarcane (g) Tea and (h) Coffee</p> <p>Mines:</p> <ul style="list-style-type: none">• Iron-ore mines: Mayurbhanj, Bailadila, Ratnagiri, Bellary• Manganese mines: Balaghat, Shimoga• Copper mines: Hazaribagh, Singhbhum, Khetari• Bauxite mines: Katni, Bilaspur and Koraput• Coal mines: Jharia, Bokaro, Raniganj, Neyveli• Oil Refineries: Mathura, Jamnager, Baroni Industries <p>Iron and Steel Plants: Bhadravati, Bhilai, Bokaro, Durgapur, Rourkela and Jamshedpur</p> <p>Cotton Textile: Surat, Varanasi, Murshidabad, Solapur and Coimbatore</p> <p>Software Technology Parks: Gandhinagar, Shrinagar, Mohali, Noida, Indore, Hyderabad, Bengaluru and Major Industrial Regions</p>
Unit - 9	Ch. 10 - 11	<p>Transport:</p> <p>(i) Important nodes on north south corridor, east west corridor & golden quadrilateral</p> <p>(ii) Major Sea Ports: Kandla, Mumbai, Mormugao, Kochi, Mangalore, Tuticorin, Chennai, Vishakhapatnam, Paradwip, Haldia</p> <p>(iii) International Air ports: Ahmedabad, Mumbai, Bengaluru, Chennai, Kolkata, Guwahati, Delhi, Amritsar, Thiruvananthapuram & Hyderabad</p>
Unit-10	Ch.12	NIL