

ALOK RANJAN'S IAS

A Unit of Digmani Educations



GEOGRAPHY

(Syllabus Analysis)

DIGMANI EDUCATIONS

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Previous Year Questionnaire

Paper-I

1. Geomorphology : Factors controlling landform development; endogenetic and exogenetic forces; Origin and evolution of the earth's crust; Fundamentals of geomagnetism; Physical conditions of the earth's Interior; Geosynclines; Continental drift; Isostasy; Plate tectonics; Recent views on mountain building; Vulcanicity; Earthquakes and Tsunamis; Concepts of geomorphic cycles and Landscape development; Denudation chronology, Channel morphology; Erosion surfaces; Slope development; Applied Geomorphology : Geohydrology, economic geology and environment.

Long Questions

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| <p>2018 Evaluate how far Kober's geosynclinal theory explains the mountain building process.</p> <p>2017 "The knowledge of slope analysis has limited field application in the slope management." Explain.</p> <p>2017 "The knowledge of slope analysis has limited field application in the slope management." Explain.</p> <p>2017 Discuss the concept of Periglacial cycle as propounded by Peltier.</p> <p>2016 "Geological structure has a dominant control on landforms and is reflected on them." Discuss.</p> <p>2016 "In explaining the concept of 'Pediplanation', King combined the ideas of Davis, Penck and Wood with his own." Elaborate.</p> <p>2014 "Present-day landforms bear more complexity than simplicity." Elucidate.</p> <p>2014 Explain with examples as to how channel dynamics has been responsible for the development of alluvial fans and cones.</p> <p>2014 Discuss the contributions of the American School of Subaerial Denudation in geomorphology.</p> <p>2012 Explain how Bosche and Haldenhang lead to the Theory of Slope Replacement. (30)</p> <p>2011 Name the climatically controlled agents of erosion. Explain how they differ in terms of properties of matter. Compare the landforms produced by each one of them. (30)</p> <p>2011 Explain the concept of Isostasy as postulated by Airy and Pratt. (30)</p> <p>2010 Bring out the relevance on seismic study indetermining the structure of the interior of the earth. (30M)</p> <ul style="list-style-type: none"> ● "Weathering is complex phenomenon involving a number of processes and is influenced by various factors." Elaborate. (30M) | <ul style="list-style-type: none"> ● Explain the scientifically sound methods of bathymetry and give an account of the bottom topography of the Atlantic Ocean. (30M) <p>2009 Highlight the geomorphic features essentially found in topographies under the second cycle of erosion.(20M)</p> <ul style="list-style-type: none"> ● Discuss views on slope development provided by L.C.King.(20M) <p>2008 Critically examine the concept of Geomorphic Cycle and discuss the view of W.M. Davis and W. Penck.</p> <p>2007 Define the concept of isostasy and discuss the postulations of Airy and Pratt.</p> <p>2006 Critically evaluate the continental drift hypothesis of A. Wegener.</p> <p>2005 "Structure is a dominant control factor in the evolution of landform." Discuss with suitable examples.</p> <p>2004 Describe the landforms which are products of endogenetic forces.</p> <p>2003 Explain the sequential development of landforms associated with the coastal areas.</p> <p>2002 Provide a critique of the 'geographical cycle' model, propounded by Davis.</p> <p>2001 Present a critical analysis of the theory of Isostasy.</p> <p>2000 With reference to the theory of Plate Tectonics, explain the origin and growth of the Young Fold Mountain Systems of the world.</p> <p>1999 Bring out the distinctions between the Continental Drift theory and the 'Plate Tectonics' theory.</p> <p>1998 Discuss the concept of Vulcanicity and show how the theory of Plate Tectonics explains the mechanisms of Volcanism and Volcanic eruptions.</p> <p>1997 Discuss the concept of polycyclic landforms and present an analytical study of the polycyclic landforms of a selected region.</p> <p>1995 Discuss the limitations of the theory of Continental Drift and show how the theory of Plate Tectonics is an improvement over it.</p> <p>1994 Discuss the concept of cycle of erosion and bring out clearly the difference between the views of Davis and Penck.</p> <p>1993 Discuss, with example, the influence of volcanism and diastrophism on the evolution of landscape.</p> <p>1992 Explain the factors causing rejuvenation in landscape and describe the resultant landforms.</p> <p>1991 Analyse the sequential development of landforms in either Karst or Coastal region.</p> |
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1990	Analyse the differences in the models of slope evolution proposed by Davis and Penck	2012	Characteristics of the standard epigene cycle of erosion.
1988	Critically analyse the concept of Plate Tectonics and bring out the evidences to support it.	2012	Programmes initiated by the International Council of Science on Earth System studies.
1987	Discuss the evolution and characteristics of the landforms of glaciated regions.	2011	Geomagnetism and Paleomagnetism.
1986	Discuss the views of W. M. Davis and Walter Penck on the cycle of erosion.	2005	Role of seismic waves in the study of earth's interior.
1985	Discuss the character of the main types of forces and earth movements, involved in the production of landforms.	2004	Peneplain.
1984	Discuss the mountain-building process with suitable example.	2002	Geosyncline.
1983	'Landscape is the function of structure, process and stage'. Discuss.	1998	Geomorphic processes.
1982	Discuss the mountain building processes in the world with a special reference to the origin of the Himalayas.	1992	Classification of Earth Movements.
1979	What light does the study of earthquake waves throws on the inner constitution of earth?	1991	Polycyclic landforms.*
		1990	Plate Tectonics.
		1989	Rejuvenated landform.*
		1988	Karst landforms.
		1984	Polycyclic landforms.*
		1982	Peneplain.
		1981	The typical features in a region of limestone rocks.
Short Questions		2. Climatology: Temperature and pressure belts of the world; Heat budget of the earth; Atmospheric circulation; atmospheric stability and instability. Planetary and local winds; Monsoons and jet streams; Air masses and fronto genesis, Temperate and Tropical cyclones; Types and distribution of precipitation; Weather and Climate; Koppen's, Thornthwaite's and Trewartha's classification of world climates; Hydrological cycle; Global climatic change and role and response of man in climatic changes, Applied climatology and Urban climate.	
2018	"Landscape is a function of structure, process and stage," Critique the statement.	Long Questions	
2017	"The knowledge of slope analysis has limited field application in the slope management." Explain.	2018	Critically examine the basis and scheme of climatic classification proposed by G.T. Trewartha.
2017	"Climate, slope gradient and rock structure influence the avulsion of channels." Explain.	2018	Explain the origin, progress and retreat of the Indian monsoon and discuss its impact on the Indian economy.
2017	Write a note on pseudovolcanic features.	2017	"Climate change is a reality." Explain with suitable examples.
2016	Describe the "Basket of eggs topography".	2016	Compare the origin and weather conditions associated with the tropical and temperate cyclones.
2014	Attempt a classification of geomorphic processes from the zonal point of view.	2014	Explain the meridional circulation of the atmosphere and its importance in world climate.
2014	Explain weathering and mass wasting, and describe their geomorphic significance.	2014	Discuss the basis of Koppen's climatic classification. Bring out the salient characteristics of 'Cs' type of climate.
2014	State the concept of erosion surfaces and highlight the factors responsible for their development.	2014	What is Potential Evapotranspiration ? Explain how it is used in assessing the water balance in an area.
2014	State the concept of plate tectonics. How does it help in explaining the formation of the Himalayas and Appalachian Mountains?	2012	Classify airmasses and explain how 'cP' airmass affects global climate. (30)
2014	Define the term 'meander' and describe the basic characteristic of entrenched meander and ingrown meander.	2011	Give an account of global distribution of precipitation. (30)
2013	Differences between Normal cycle and Arid cycle of Davis.		
2013	Impact of Pleistocene Ice Age on the crust of the Earth		
2013	What is 'Base level'? Explain the types of base level.		
2013	"Offshore Acoustic Study helped the development of the concept of sea floor spreading." Explain.		
2012	Palaeozoic glacial evidence for Continental Drift.		
2012	Systems approach to landform analysis.		

2011	“Contemporary global climate change is an anthropogenic phenomenon”. Discuss. (30)	1990.	Explain the basic criteria used in Thornthwaite’s 1948 classification of climates.
2010.	What is ‘polar front? How does cyclone develop along this front? Describe the weather conditions associated with it. (30M) Examine the various kinds of atmospheric humidity and their associated forms. (30M)	1989.	Explain the origin, characteristics and distribution of temperate cyclones.
2009.	Explain factors contributing to the global climate change.(20M) Discuss the consequences of climate change on agriculture and food security, and on the coastal zones of the world.(20M) How does climate change affect urban areas? (20M)	1988.	Attempt a classification of air masses and give the characteristics feature and associated weather conditions of each class.
2008.	Discuss the mechanism and origin of monsoon winds and discuss the role of El nino on monsoon current.	1987.	Discuss critically the characteristics of tropical cyclones and analyse the extent to which they differ from the temperate cyclones.
2007.	Discuss the development of local winds, and their influence on local weather, giving three examples of the well-known local winds in the world.	1986.	Compare the basis of the climate classification of Koppen with that of Thornthwaite’s classification.
2006.	Compare the structure and associated weather conditions of tropical cyclone with that of temperate cyclone.	1984.	Discuss the concept of warm and cold fronts and the weather associated with them.
2005.	Discuss the main features of the climatic classification system evolved by Koppen. Also point out its anomalies.	1982.	‘In the northern part of Indian ocean there is a complete reversal of currents between winter and summer as a result of the alternating monsoon wind.’ Discuss.
2003.	Discuss the mechanism and significance of meridional tricellular pattern of atmospheric circulation.	1981.	With particular reference to India, explain the origin of the “monsoon”. Describe and account for the World distribution of monsoon climates, bringing out the significant differences between each of them.
2002.	Discuss the criteria which Thornthwaite adopted for his 1948 classification.	1980.	Discuss the complete mechanism by means of which the atmosphere is able to maintain its heat balance. Is the atmosphere getting progressively hotter, and if so, why?
2000.	Give an account of the types and distribution of precipitation on the surface of the earth.	1979.	Discuss the Polar Front theory and examine how far it can be applied to explain the origin of tropical cyclones.
1999.	Make a comparative study of the tropical and temperate cyclones.		Short Question
1998.	Discuss the nature and composition of earth’s atmosphere.	2017	Discuss the forces which govern the air movement on the Earth’s surface.
1997.	Define air masses. How do they originate? Classify them and state the characteristics of any one type.	2016	“The relationship between the winds and the currents is best seen in the Indian Ocean.” Justify.
1996.	Examine critically the drawbacks of Koppen’s Classification of climate. Explain how Thornthwaite attempted to overcome Koppen’s limitations.	2016	Differentiate between insolation and temperature and explain anomalous temperature.
1995.	Explain and illustrate the life-cycle of a temperate cyclone and also describe the weather associated with it.	2014	Discuss as to how frontogenesis contributes to weather instability.
1994.	Explain the basis of Koppen’s classification of climates. Also mention its merits and limitations.	2014	Discuss the nature and origin of Indian monsoon and recent techniques of its prediction.
1992.	Discuss the origin, movements and characteristics of air masses and explain their role in influencing world climates.	2014	Describe the origin and development of thunderstorms with examples.
1991.	Explain the origin, distribution and characteristics or tropical cyclones.	2014	Discuss the salient features of ‘sirocco’ and ‘mistral’.
		2013	With suitable example, bring out the impact of local winds on the climate of an area.
		2013	Discuss Dew point and the various forms of condensation.
		2012	Impact of failure of Monsoon on Gujarat Agro-climatic zone.
		2012	Impact of Cryosphere on global climate.
		2011.	Rossby waves and Jet Stream
		2010.	Inversion of temperature

2009.	Tropical atmospheric instability	1991.	Draw a hypsographic curve to represent the major physiographic units of the ocean and comment on their permanency.
2004.	Potential evapotranspiration.		
1999.	Cs type of climate, as per Koppen's classification.	1990.	Discuss the theories of the formation of coral reefs proposed by Daly, Darwin and Davis.
1995.	Inversion of temperature.	1987.	Give a reasoned account of the currents of the Atlantic Ocean and their impact on the climate conditions of the coastal regions.
1991.	Hydrological cycle.	1986.	Give an account of marine resources and discuss their present day utilization.
1985.	Hydrological cycle.	1985.	Discuss the sources and nature of various deposits found on the floor of the oceans.
1983.	Jet Streams.	1983.	Discuss different types of marine resources and mention their possible utilization.
1982.	Air masses.	1982.	'In the northern part of Indian Ocean there is a complete reversal of currents between winter and summer as a result of the alternating monsoon winds.' - Discuss.
	3.Oceanography: Bottom topography of the Atlantic, Indian and Pacific Oceans; Temperature and Salinity of the oceans; Heat and salt budgets, Ocean deposits; Waves, currents and tides; Marine resources: biotic, mineral and energy resources; Coral reefs, coral bleaching; sea-level changes; law of the sea and marine pollution.	1981.	Present the classification of oceanic deposits and account for the origin, types and distribution of pelagic deposits in the world oceans.
	Long Questions	1980.	Describe and account for the surface currents of the Indian Ocean and explain how and why they differ from those of the Atlantic.
2018	Describe the potential marine energy resources with reference to their benefits, harvestability and environmental impacts.	1979.	What factors control the density of ocean water? Show how differences of surface density determine the movements of water (a) in the open ocean and (b) between the ocean and its partially enclosed areas.
2017	Distinguish between low energy coasts and coral coasts.		
2017	Discuss the impacts of ocean currents on air mass behaviour.		
2016	Bring out the various ecological problems associated with the exploitation and use of oceans and their resources.		
2011	"Temperature, salinity and density differences in ocean water are the prime causes of ocean water circulation." Elaborate. (30)		
2009.	Examine economic significance of the resources of the continental shelf of the Indian ocean. (30M) Comment on marine heat budget and the oceanic circulation system. (30M)		
2008.	Describe the ideal condition for coral reef formation and discuss the glacial control theory of coral reef formation.		
2007.	Discuss the different bases for classifying the ocean deposits and give a detailed account of pelagic deposits.		
2004.	Discuss the Mid-Atlantic Ridge in terms of its origin, extent and relief.		
2003.	Present a concise account of bottom relief of the Indian Ocean.		
1998.	Explain and illustrate the submarine relief of the Atlantic Ocean.		
1997.	Examine critically the theories of the formation of coral reefs and atolls.		
1996.	Explain and illustrate the ocean floor topography and give a detailed account of the Mid-Atlantic Ridge.		
1993.	Give a reasoned account of the distribution of major physiographic units of the ocean and partially enclosed seas.		
		Short Questions	
		2018	Describe the causes and consequences of sea level changes.
		2017	Describe the configuration of the Pacific Ocean floor.
		2016	Discuss Maritime Zones.
		2014	Give an account of recent observations on coral bleaching with reference to Clive Wilkinson's Report.
		2014	Give a critical account of reasons and consequences of marine pollution.
		2014	Illustrate the origin and nature of Sargasso Sea and Lagoon.
		2013	Difference Storm Surges and Seiches.
		2013	Compare the Subsidence and Glacial control theories on the formation of coral reefs.
		2012.	Different layers of ocean water above abyssal plain.
		2012	"Atolls present the most challenging explanation in the evolution of coral reefs", Discuss
		2011.	Salinity patterns in Indian Ocean.
		2010.	Ocean deposits
		2008.	Sea floor spreading Theory
		2007.	Eustatic changes of Sea-level.
		2006.	Ocean currents of Northern Atlantic Ocean.

2004.	Pelagic deposits.	2017	Distinguish between the characteristics of Chernozem and Sierozem soils.
2001.	Formation of coral reefs.	2016	Bring out the ecological significance of Tropical Rainforest Biome.
2000.	T-S diagram.	2014	Describe the characteristics of different types of pelagic deposits.
1999.	Submarine canyons.	2014	Define zoogeographic region. Also describe the basic faunal makeup of the Neo-Arctic zoogeographic region.
1997.	Marine resources-biotic, mineral and energy resources.	2014	State the uniqueness of the Eurasian Steppe Biome.
1995.	Food from the Sea.	2013	Types of endemic plants and their degree of vulnerability to extinction.
1989.	Ocean bottom relief.	2013	Bring out the relationship between climate and vegetation in the Mountain Biome.
1988.	Coral reefs.	2012	Major components of IGBP.
1986.	Pelagic deposits.	2011.	Soil profile in Zonal and Azonal soils.
1984.	Marine resources.	2010.	Floristic kingdoms and bases on their global distribution.
1981.	Cold water coasts.	2009.	Zonal and Azonal soils.
	4. Biogeography: Genesis of soils; Classification and distribution of soils; Soil profile; Soil erosion, Degradation and conservation; Factors influencing world distribution of plants and animals; Problems of deforestation and conservation measures; Social forestry; agro-forestry; Wild life; Major gene pool centers.	2007.	Social Forestry and Environmental Conservation.
	Long Questions	2006.	Distribution of soils.
2016	Describe Newbigin's scheme of Floristic regions of the world and explain the Mediterranean Floristic region.	2005.	Soil erosion and conservation.
2014	Explain the different stages of ecological adaptation of man and bring out the changing balance between man and environment.	2003.	Genesis of soils.
2014	Classify soils based on their zonal distribution and describe the characteristics of pedocals.	2001.	Agro-forestry.
2014	Discuss the methods of conserving biodiversity for sustainable development.	2000.	Soil Profile.
2009.	Give a brief account of the principal land biomes and their latitudinal distribution.(20M)	1998.	Soil genesis.
1996.	Discuss the processes of mechanical and chemical weathering and show their relationship with soil formation.	1997.	Weathering and soil formation.
1994.	Indicate the major biotic regions of the world and discuss the ecological aspects of the monsoon region.	1987.	Characteristics of monsoon forest.
1992.	Present a classification of the soils of the world and give their economic significance.	1986.	World biotic regions.
1989.	Divide the world into major biotic regions and explain the basis of your division.		5. Environmental Geography: Principle of ecology; Human ecological adaptations; Influence of man on ecology and environment; Global and regional ecological changes and imbalances; Ecosystem their management and conservation; Environmental degradation, management and conservation; Biodiversity and sustainable development; Environmental policy; Environmental hazards and remedial measures; Environmental education and legislation.
1985.	Classify soils of the world and discuss the distribution and characteristics of each.		Long Questions (60M)
1983.	Divide the world into major biotic regions giving the basis of your division.	2018	Discuss the objectives and principles of environmental education. Describe the basic concerns of formal and non-formal environmental education in India.
	Short Questions (20M)	2018	"Geomorphological changes are largely responsible for environmental hazards in the Himalayan region." Comment with relevant examples.
2018	Distinguish between intrazonal and azonal soils. Describe in brief the characteristics and importance of azonal soils.	2018	Explain the ecosystem approach to environmental management and highlight its advantages and disadvantages.
2017	Describe the characteristics of biological deserts.	2018	Discuss the causes of degradation of tropical rainforests and suggest remedial measures for their prevention, conservation and development.

2017	Discuss the Perception, Attitude, Value and Emotion (PAVE) Theory of environmental management.	2018	Explain the natural and anthropogenic causes and mitigation measures of frequent flooding in Mumbai.
2016	Discuss the significance of World Climate Research Programme (WCRP) and its core projects in the understanding of climatic change.	2018	Explain the role of evaporation in the hydrologic cycle.
2014	Man-induced famines are becoming more common than nature-induced ones.” Comment.	2017	Discuss the Perception, Attitude, Value and Emotion (PAVE) Theory of environmental management.
2012	Discuss how different types of mining lead to different types of environmental problems.	2017	Explain the concept of micro carbon sink and its relevance.
2011	Define the term biome. List the terrestrial biomes and describe the characteristics of Savanna biome. (30)	2016	Give a reasoned account on how the impact of Global Warming differs from on part of the Earth to the other.
2010.	Give an account of the structure of ecosystem and describe its functional aspects. (30M)	2016	Explain the hydro-meteorological hazards in the Himalayas.
2006.	Discuss the global ecological imbalances and their management.	2014	Comment on the impact of environmental education on quality of life.
2005.	Bring out the major problems of environmental pollution at global scale and suggest measures to check it.	2014	Explain the characteristics of ecological succession.
2004.	How would the impact of global warming differ from one part of the earth to another? Give a reasoned account.	2014	“Food productivity with purity of ecosystem is the need of the hour”. Elaborate.
2002.	Write in detail on the concept of biosphere as an ecosystem.	2014	Enumerate the major causes of increasing degradation of environment in hills and hillslopes, and state its down-valley impact.
2001.	Discuss the concept, components and functioning of an eco-system.	2014	Give an account of the nature of biosphere as an ecosystem.
2000.	Discuss the causes and consequences of environmental degradation and highlight the related conservation measures.	2013	What are the characteristic that CHC a serious threat to the ecosystem? Give examples.
1999.	Discuss the relevance of watershed as an ecosystem for the purpose of sustainable development.	2013	Explain the level of Noise pollution and the legislative measures to control it.
1998.	Examine the impact of advanced agricultural technology on environment. Support your answer with examples.	2011.	Ingredients of Sustainable Development.
1995.	‘Man must realize the importance of maximizing agricultural production with out destroying the ecological basis on which our entire food production system rests.’ Explain with examples.	2011.	Marine Ecosystem.
1993.	Define ecosystem and describe briefly its various components. Also discuss how and to what extent the modern man has affected the various types of eco-systems.	2008.	Desertification as an environmental hazard.
1989.	Examine the cause of ecological imbalances and briefly explain the measures taken to rectify them.	1998.	Natural hazards.
1988.	Discuss in detail, man’s impact on ecosystem as a result of the modern technological advancement.	1996.	Man and the Amazon rainforest.
1984.	Discuss man’s role in creating ecological imbalances taking examples from a geographical region.	1996.	Desertification and its preventive measures.
		1994.	Bio-diversity.
		1993.	Biotic succession.
		1992.	Concept of Ecosystem.
		1985.	Ecosystem concept.
		1983.	Ecological imbalances.

Human Geography

1. Perspectives in Human Geography:

Areal differentiation; regional synthesis; Dichotomy and dualism; Environmentalism; Quantitative revolution and locational analysis; radical, behavioral, human and welfare approaches; Languages, religions and secularization; Cultural regions of the world; Human development index.

Long Questions

2018 “Areal differentiation has provided the theoretical justification for studying ‘regions’ and ‘regional geography’.” Comment.

Short Questions

2018	Comment upon the contributions of D.M. Smith in outlining 'welfare' as a key focus in the geographies of social well-being.	1996.	"The emergence of Behavioural geography was due to the disillusionment with axioms on which models were based on the axioms were far removed from reality". Comment.
2018	Provide a brief outline of ideas related to "sense of place" as propounded by Yi-Fu Tuan and Relph in the humanistic geography that emerged in the 1970's.	1995.	Discuss the contributions of Al Biruni towards the development of geographical knowledge.
2018	Elaborate upon the influence of Marxist philosophy on geographical research, outlining key themes addressed by Marxist geographers since the 1970's.	1994.	Examine critically the concepts of 'Determinism' and 'Possibilism'. Bring out the significance of regional concept.
2018	"Welfare geography emphasizes spatial inequality and territorial justice." Comment with reference to the main ideas and scope of the subfield.	1992.	Give a comparative assessment of the works of Humboldt and Ritter leading to the foundation of modern geographic thought.*
2018	Discuss critically the manner in which quantitative revolution provided the methodological foundation for models and modelling in geography.	1991.	Explain the major contribution by Arab geographers of the early medieval period in the development of geographic thought.*
2016	Discuss the relevance of 'Stop and Go Determinism' in the present day context.	1989.	Write an essay on the contribution of European geographers to the development of geographic thought.
2016	Trace the origin and progress of Quantitative Revolution in Geography and bring out its merits and demerits.	1988.	Give a critical account of the cultural evolution of man Illustrate your answer with suitable examples.
2014	"There is a rejuvenation of environmentalism as a paradigm in geographical studies." Comment.	1986.	What is meant by 'Quantitative Revolution in geography? Discuss its impact on the development of Determinism and Possibilism in geography.
2014	Discuss the approaches to the study of behavioural geography.	1984.	Critically examine the development of Determinism and Possibilism in geography.
2014	"Regional synthesis is the crux of geographical studies." Elaborate.	1983.	Write a critical essay on the quantitative revolution in geography.
2011.	Discuss Systems Approach and its applicability in Geography. (30)	1982.	Discuss the contributions of either Vidal De La Blache or W.M. Davis in the advancement of our geographical knowledge.
2011.	Discuss the impact of positivism in paradigm shift in Geography. (30)	1980.	What were the significant geographical ideas of the Arabs of the 10th and 12th centuries? How did they differ from those of their Christian contemporaries?
2010.	Critically examine the changing perspectives on the concept of areal differentiation. (30M)	1980.	Discuss the scope of human geography.
2009.	Quantitative Revolution and model building provided an empirical basis for geographical research-Elaborate (30M)	1979.	"The land regulates the destinies of peoples with a blind brutality". (Ratzel). Discuss fully the arguments in favour and against this view.
	<ul style="list-style-type: none"> ● Provide a broad classification of world cultural regions.(30M) 	Short Questions	
2004.	Distinguish between Radical and welfare approaches in geographic studies.	2018	"Geography is a contested and multiparadigmatic discipline with a strong eurocentricity that has only recently been challenged." Comment.
2003.	Present a critical analysis of Human and Welfare Approaches in human geography.	2018	Define the quality of life and explain its effectiveness with a good example
1999.	The sequence of major paradigm shifts in geographic thought during the twentieth century.	2017	Discuss the contemporary paradigms of Geography.
1998.	What is understood by quantification in geography? Discuss the significance of quantification in modern geographical studies with examples.	2016	Explain "Isodapane".
1997.	Critically examine the concept of Dualism with special reference to Physical versus Human geography.	2016	"Areal differentiation forms the core theme in Geography." Explain.
		2014	"The welfare face of geography makes it an inter-disciplinary subject."
		2014	"Indo-Gangetic hearth is considered to be one of the world's richest cultural realms". Examine.

2014	Discuss the contribution of geographers in the development of radical geography.	2002.	To what extent do the regional patterns of economic development and human development in the world correspond with each other? Highlight situations of departure, particular.
2014	Elaborate the concept of mental map.		
2013	Explain the parameters for assessment and the spatial pattern of Human Development Index in the world.	2001.	Examine the spatial patterns of development disparity prevailing in the world.
2013	“Ellen Churchill Semple is an ardent supporter of Determinism.” Explain.	1999.	How far do the patterns of economic development and those of human development correspond with each other in the world? Illustrate your answer with examples.
2011.	Welfare Approach in Human Geography.		
2010.	(a) Neo-determinism (b) Occidental culture realm	1998.	Explain the term resource management. Discuss its relevance in the context of global resources scarcity and the future of mankind.
2008.	Behavioural Geography.	1997.	“Water is a scarce resource in plenty.” Comment and discuss its importance in the balanced habitat development. Support your answer with examples from Asia.
2007.	Dualism in Geography.		
2006.	Cultural regions of the world.	1994.	‘Oil has placed in the hands of Arab nations a tremendous geopolitical weapon with which to wield power’. Comment.
2005.	Areal differentiation.	1991.	Examine the world patterns of industrial development and explain the problems of industrial development at national levels.
2002.	Neo-environmentalism.	1990.	Give an account of the spatial pattern of world food production and analyse the related problems of malnutrition diseases.
2001.	Radical Approach in geography.	1988.	Discuss the various sources of energy and their uses. Suggest the measures to overcome the present day energy crisis.
1990.	Quantitative and Behavioural Revolutions in geography.	1987.	Give an account of the pattern of international trade and examine the linkages between resource utilizing regions.
1989.	Major Cultural Realms of the world.	1985.	Mention different types of world agriculture and describe the areas and salient features of each type.
1988.	Environmental Determinism.	1984.	Discuss the general distributional pattern of industrial development in the world and its associated problems.
1987.	System Approach in geography.	1983.	Discuss the food and nutrition problems of the world.
1986.	Diffusion of innovation.	1982.	Mention the types of farming commonly being practised in the topics. Discuss their significance and the present position in the international market.
1985.	Write short notes on Regional Concept in geography.	1981.	“Over two-thirds of the crop lands of the United States are devoted to feed crops and only slightly over one-fifth to food-crops.” Discuss the implication of the above statement. Explain with reasons why the conditions are totally different in India.
1981.	Transhumance.	1981.	Analyse the factors of localization of the cotton textile industries; and assess how far their location has been influenced by the availability of indigenous raw materials and proximity to the markets.
	2. Economic Geography: World economic development; measurement and problems; World resources and their distribution; Energy crisis; the limits to growth; World agriculture; typology of agricultural regions; agricultural inputs and productivity; Food and nutrition problems; Food security; famine: causes, effects and remedies; World industries: locational patterns and problems; patterns of world trade.	1980.	Asses the nature of the ‘food problem’ of India, both qualitatively and quantitatively at the
	Long question		
2018	“Famine is a social phenomena rooted in institutional and political economic arrangements, which determine access to food by different classes and strata.” Comment.		
2018	Discuss in brief the main thesis in “Limits to Growth” (1972) and also provide a critique of the same.		
2016	“Linkages between resource-endowed regions and resource-utilizing regions determine the pattern of international trade.” Elaborate with suitable examples.		
2011.	Mention the agricultural regions as classified by Whittlessey and discuss their relevance. (30)		
2010.	Discuss the role of World Trade Organisation in determining the pattern of world trade. (30 M) ● “Famine, to a considerable extent, is a man-made hazard.” Elaborate. (30M)		
2009.	Provide a geographical account of global production and distribution of food (30M)		

- present time. What practical suggestions can you offer towards its solutions?
1979. "The distinction between 'Wet-Zone' and 'Dry-Zone' is fundamental in the agriculture of the Monsoon lands, resulting in typical crop combination". Discuss with respect to either India or China.
1979. "The successful location of iron and steel plants is largely a matter of transportation costs, not merely of raw materials but also of finished products." Discuss with illustrative examples.

Short Questions

- 2018 Discuss the degree of importance of transportation costs as a factor of industrial location with respect to "footloose industries".
- 2016 Write a critical note on the tendency of "use and throw" in the context of economic status and environment.
- 2014 "Energy mix is a step towards sustainability." Discuss.
- 2014 Discuss environmental and economic problems associated with coal production.
- 2014 "World is passing through a global resource dilemma". Comment.
- 2014 Explain the relevance of bottom-up and top-down approaches in the development of agrarian economy.
- 2014 Give an account of food security issues in developing countries.
- 2013 Analyse the causes of the changes in the pattern of world trade.
- 2013 Analyse the reasons for a comparatively poorer development of fishing grounds in tropical areas.
- 2013 Write short notes on 'countries most affected in case of shut-down of Nuclear power.'
- 2013 Discuss the changing pattern of production and export of Coffee in the world.
- 2013 Write short notes on uniqueness of fauna in the Neotropical realm.
- 2013 Write short notes on role of Venezuela in the production and export of oil.
- 2012 Adaptation and distribution of animals in the Ethiopian realm.
2009. Limits to growth model
2003. Concept of limits to growth.
2000. The Limits to growth.
1998. Types of farming.
1996. Globalisation of trade and industry.
1995. Dryland farming.
1993. Measures of agricultural efficiency.
1992. Land capability versus land use efficiency.
1991. World energy crisis.
1991. Concept of Limits to growth.
1990. Land capability.

1990. Diffusion of innovation in agriculture technology.
1988. Geopolitics.
1983. World energy crisis.

3. Population and Settlement

Geography: Growth and distribution of world population; demographic attributes; Causes and consequences of migration; concepts of over-under-and optimum population; Population theories, world population problems and policies, Social well-being and quality of life, Population as social capital, Types and pattern of rural settlements; Environmental issues in rural settlements; Hierarchy of urban settlement; Urban morphology; Concepts of primate city and rank-size rule; Functional classification of towns; Sphere of urban influence; Rural urban fringe; Satellite towns; Problems and remedies of urbanization; Sustainable development of cities.

Long Questions

- 2018 "Controlling population growth is the sustainable solution to environmental problems." Express your views with suitable arguments.
- 2018 Citing examples from Asia and Europe, comment upon the contexts within which pronatalist population policies are advanced. What could be the implications of these policies on women's workforce participation?
- 2016 Describe the regional pattern of Life Expectancy in the world and bring out the challenges faced by developing countries due to increasing life expectancy.
- 2012 Evaluate the various models on population density distribution in urban centres.
- 2012 "Though 70% of Indian population is rural, urban planning is crucial to the development of India". Discuss.
2010. "Huge populations of developing countries are not a curse. These may be and also are an asset, if situations are properly managed." Elaborate on this assertion. (30M)
2010. Critically examine the method of depriving Human Development Index. (30M)
2009. Elaborate the concept of Megalopolis and discuss the characteristics and problems related to two such regions selecting one each from North America and Europe.
2008. Discuss the social and economic theories of population growth.
2007. Write a note on the parameters used to describe the demographic transitions in the developing countries like India.
2000. Discuss the causes and consequences of population migration in the world.
1995. Examine the theories about population control and explain the relative merits of these in limiting population growth.
1993. Discuss the major international streams of migration in the world in recent times and account

2011. Secondary cities in the context of urbanization in developing world.
2008. Primate city
2007. Delineation of Urban Fringe.
2005. Concept of primate city.
2000. Rank-size Rule.
1999. Gravity model.
1999. Primate city.
1997. Rural-Urban fringes.
1994. Slum and Squatter settlement.
1989. Classification of cities.
1985. Rural Settlement Patterns.
1984. Urban sphere of influence.

4. Regional Planning: Concept of a region;

Types of regions and methods of regionalization; Growth centers and growth poles; Regional imbalances; regional development strategies; environmental issues in regional planning; Planning for sustainable development.

Long Questions

- 2016 In what ways can geographers contribute towards optimal land use planning in region ?
- 2016 What is 'region' ? Describe 'Thiessen' polygon method of regional delimitation.
- 2014 "Geographical traits lead to regional imbalances." Examine.
- 2014 "Vital statistics are necessary ingredients for development planning." Elaborate.
- 2014 "Cultural regions are the most suited units to study the diversity of an area." Comment.
2011. Enumerate alternative strategies of planning for backward regions.
2009. Highlight the significance of environmental issues in Regional Planning.(30M)
2006. What is the concept of a region? Discuss the types of regions.
2005. What is a region? Discuss the methods of regionalization.
2004. Discuss various strategies for correcting regional imbalances.
2002. Write an essay on 'Sustainable Development' from the perspective of geography.
2001. Critically examine the role of Growth Centers and Growth Poles in regional development process.
2000. What is a region? Discuss the types of regions and the methods of regionalization.
1999. Discuss the relevance of 'watershed' as an ecosystem for the purpose of sustainable Development.

Short Questions

- 2017 "The intensity of energy crisis varies regionally." Explain.

- 2017 "The intensity of energy crisis varies regionally." Explain.
- 2014 "Development planning has a component of environmental cost." Discuss.
- 2014 "Rural sustainability is necessary for urban sustainability". Discuss the statement in the backdrop of integrated development approach.
- 2012 Salient features of watershed planning and its advantages and disadvantages.
2010. Growth Pole.
2006. Sustainable Development.
2004. Growth Pole.
2003. Regional imbalances.
1994. Sustainable Development.
1985. Regional concept in geography.

5. Models Theories and Laws in Human

Geography: Systems analysis in Human geography; Malthusian, Marxian and demographic transition models; Central Place theories of Christaller and Losch; Perroux and Boudeville; Von Thunen's model of agricultural location; Weber's model of industrial location; Rostov's model of stage of growth. Heartland and Rimland theories; Laws of international boundaries and frontiers.

Long Questions

- 2016 Give a critical account of Losch's theory of central places.
- 2016 Define and differentiate between boundaries and frontiers. Describe the geometrical boundaries with suitable examples.
- 2016 Discuss the application of Gravity model in Geographical studies.
- 2014 Discuss the relevance of Von Thunen's model on agricultural location in the contemporary context.
- 2014 Critically examine the theories on population migration.
2011. Distinguish between boundaries and frontiers. Identify different types of boundaries. (30)
2011. Critically examine the salient features of Central Place Theory propounded by Christaller and Losch. (30)
2008. Discuss the views of Von Thunen on agricultural location.
2008. Discuss the laws of International boundaries and frontiers.
2005. Discuss Weber's theory of industrial location, and assess its relevance in the present-day context.
2005. Examine the Heartland theory, and assess in merit and demerits.
2004. To what extent the Heartland and Rimland Theories helpful in understanding the world political situation today? Express your opinion clearly.

2003.	Critically examine the Stages of Economic Growth Model propounded by Rostov. Illustrate your answer with suitable examples.	1980.	Is it true to say that Mackinder's "Citadel of land power" stands mightier than ever, even at the present day?
2002.	Bring out the main point of difference between the Central Place theories of Christaller and Losch.	1979.	"The 49th parallel is a boundary without a frontier, the Himalayas is a frontier without a boundary." Discuss fully, bringing out the implications of this to the country involved.
2001.	Discuss the concept and application of System Analysis in Human geography.	Short Questions	
2001.	Discuss the concept and application of System Analysis in Human geography.	2018	Write a note on "forward and backward linkages" in Perroux's thesis of economic growth and regional development.
2000.	Explain the basis and applicability of Christaller's Central Place Theory. Bring out the recent modifications.	2018	Outline briefly the "age of mass consumption" as described by Rostow in his 'multi-stage theory of growth'.
1997.	Critically examine Alfred Weber's Theory of the Location of Industries.	2014	Critically analyse application of models in Geography.
1996.	"Without the Mediterranean Europe could not be held; without the Middle East the Mediterranean could not be held." Discuss.	2014	Explain the necessary conditions of take off and subsequent stages of development of a nation as propounded by Rostow.
1994.	Discuss Von Thunen's Model of Agricultural Land Use and examine if the model is applicable to India.	2013	Write short notes on relevance of Heartland theory in Contemporary world.
1992.	Discuss the theories of Industrial Location propounded by any two of the following: Weber; Hoover and Smith.	2013	What are the basic postulates in the Central Place Model of Christaller?
1989.	Discuss in detail the Heartland concept of Mackinder and the criticisms it has attracted in recent years.	2012	Locational significance of Rotterdam in European economy.
1989.	Review in detail the various theories of the location of industries.	2012	Problems faced by industries which developed due to inertia.
1988.	Analyse Christaller's Central Place Theory and the modifications introduced in it and examine its relevance in the present day context.	2011.	Isodapane in the Theory of Industrial Location.
1985.	Discuss the concepts of Heartland and Rimland and examine their present-day validity.	2010.	Von Thunen's concept of economic rent.
1982.	'The position of United States in respect to power in almost impregnable at present and in future. The USSR is well situated although less so than the United State.' Elucidate.	2009.	Weighted triangle
1981.	Discuss the major contributions of the following eminent geographers: (a) Sir Halford Mackinder (b) Sir Dudley Stamp.	2002.	Rimland Theory.
		2002.	Isolate State.
		1998.	Locational Triangle.
		1994.	Models in Geography.
		1993.	Systems Approach in geography.
		1992.	Central Place Theory.
		1986.	Demographic Transition.
		1982.	Indo-Pakistan Border Problem.

Paper- II

GEOGRAPHY OF INDIA

1. Physical Setting: Space relationship of India with neighboring countries; Structure and relief; Drainage system and watersheds; Physiographic regions; Mechanism of India monsoons and rainfall patterns, Tropical cyclones and western disturbances; Floods and droughts; Climatic regions; Natural vegetation; Soil types and their distributions.

Long Question

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| <p>2018 Distinguish the geographical aspects of North-Western lava plateau and Chotanagpur plateau of peninsular India.</p> <p>2012. Explain the structural characteristics of the Deccan plateau.</p> <p>2012. Discuss the role of spatial pattern of rainfall and temperature in the delimitation of climatic regions of India, specially with reference to stamp's climatic regionalization.</p> <p>2011. Present a comparative analysis of the regimes of Himalayan and Peninsular rivers of India and examine their implications in the irrigation system of the country. (60)</p> <p>2011. Identify the major biosphere reserves of India and discuss their role in the conservation of forest and wildlife. (30)</p> <p>2010. Explain Himalayan Orogeny and illustrate how the process has affected the geomorphic characteristics of Macro divisions of Himalayas. (60M)</p> <ul style="list-style-type: none"> ● Discuss the spatial distribution of Natural Vegetation in India with the help of a sketched map. (60M) <p>2009. Discuss the formation and their distribution of the major soil types of India. (30M)</p> <ul style="list-style-type: none"> ● Give reason as to why the rainfall variability is the characteristic feature of the India's monsoon. (30M) ● Distinguish between the West and East coast of India in terms of their evolution, present topography and drainage pattern. (60M) <p>2008. Distinguish between Himalayan and Peninsular Drainage system.</p> <p>2007. Explain the different views put forth about the origin of Himalayas and divide Himalayas into vertical divisions.</p> <p>2006. Give a critical account of the recent theories of origin of Indian monsoon with special reference to jet Stream Theory.</p> <p>2004. Discuss the role of spatial pattern of rainfall and temperature in the delimitation of climatic regions of India, especially with reference to Stamp's Climatic Regionalization.</p> <p>2003. Highlight the salient difference between the Himalayan and the Peninsular drainage systems.</p> | <p>2002. Explain the Origin, Mechanism and Characteristics of Summer Monsoon in India.</p> <p>2001. Discuss the relief features of Northern Indian Plains.</p> <p>2000. Describe the structure and relief features of Peninsular India.</p> <p>1996. Draw a sketch map in your answer-book to delineate the main climatic regions of India and discuss the important climatic characteristics of each region.</p> <p>1995. Draw a sketch map to delineate the main physiographic regions of India and provide a reasoned account of the relief and structure of Himalayan region</p> <p>1994. Discuss the recent theories put forward to explain the origin and Mechanism of Indian Monsoon.</p> <p>1993. Delineate flood prone areas by drawing a map and discuss the causes and consequences of flood in North Indian Plains.</p> <p>1993. 'India presents an example of Unity in Diversity' elucidate this in the context of India's physical and human aspects.</p> <p>1992. Discuss the major characteristics of Indian Monsoon with special emphasis on causative factors.</p> <p>1991. Elucidate the character of Himalayan Rivers and examine their role in the Indian Plains.</p> <p>1990. Explain some of the important Theories of the Origin of SW Monsoon in India. Evaluate at impact of its characteristics on occurrence of floods and droughts in different parts of our country.</p> <p>1989. Explain some of the geological history of the Peninsular India and in its terms, explain the salient features of relief of the area.</p> <p>1988. Analyse the Ecological significance of forests in different regions of India, indicating the impact of rapid deforestation.</p> <p>1988. Explain the salient features of the Structure, Relief and Drainage of the Himalayas.</p> <p>1987. Analyse the Mechanism of Indian Monsoon. How are the spatial and temporal variation and vicissitudes in population related to this mechanism?</p> <p>1985. Attempt a division of India into Climatic Regions and describe their characteristics and floral conditions.</p> <p>1983. "There is a gulf between rainfall statistics and water availability". Elucidate this statement with reference to the agricultural efficiency of any region in India.</p> <p>1982. India's Budget is a gamble with the Monsoon. Elaborate the statement. How far does the variability of rainfall influence agriculture? What remedies have been effective?</p> <p>1982. Divide India into Natural Regions. State the basis which you have adopted.</p> |
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1981. Discuss the effect of Relief and Climate on the distribution of crops in India.
1980. Discuss the Structure and Evolution of the Himalayas.
- Short Question**
- 2017 Justify the inclusion of Meghalaya in Peninsular India and discuss its vegetation and soil types.
- 2017 Give a reasoned account of unusual pattern of distribution of monsoonal rainfall in India in 2017.
- 2017 Explain the inter-State issues involved in implementation of the Satluj-Yamuna Link Canal Project.
- 2017 Discuss the freshwater crisis in India and prepare a blueprint for its sustainable management.
- 2016 Explain the shifting of river courses and river capturing in the Himalayas. (In about 150 words)
- 2016 Discuss the role of spatial pattern of rainfall and temperature in the delimitation of climatic regions of India especially with reference to Stamp's climatic regionalization. (In about 250 words)
- 2016 Describe the flood-prone areas and their management problems in the Ganga Plains. (In about 200 words)
- 2015 Explain the pattern of winter rainfall in India.
- 2014 How is drainage pattern determined by the water divide?
- 2014 Describe the salient climatological characteristics of Rayalaseema region.
- 2013 Discuss the mechanism of Indian Monsoon.
2013. Explain the topographical and structural characteristics of the Siwalik Range.
2011. Karewa Deposits and their economic significance.
2010. Spatial pattern of soil erosion in India.
2001. Provide the geographical background and characteristics of the distribution of hill station in India.
2001. Give a brief account of the second-order Regions of India's Peninsular Plateau.
2001. Explain in sequence of Vegetation Zones of the Himalayas.
1999. Explain the rise of Himalayan ranges.
1999. Elucidate the Mechanism of the Indian Monsoon.
1997. Discuss the origin and main geomorphic features of Thar Desert in India.
1996. Examine the Origin and Characteristics of the Antecedent Drainage System of Himalayas.
1996. Explain the criteria used in the identification of drought prone areas in India.
1996. Discuss the distribution and characteristics of the Evergreen Forest in India.
1995. Examine the origin and characteristics of Soils of North Indian Plain.
1995. Examine the factors responsible for uneven distribution of rainfall in India.
1994. Explain the Drainage characteristics of Peninsular India.
1993. Explain the geographical factors responsible for the growth of Mangrove vegetation in India and discuss its role in coastal ecology.
1992. Explain the characteristics and productivity of Regur Soils of India.
1988. Evaluate the Koppen's Scheme of Climatic Regionalisation of India.
1987. Give the salient features of the Aravallis with respect to Geologic Structure, Relief and Impact on human settlements.
1986. The Drainage System of two regions, Peninsular and extra Peninsular India are very different in their character what are these differences why?
1985. Describe the physiographic characteristics of Western Himalayas.
1984. Mountain as Climatic barriers and their effect on Indian Monsoons.
1984. Why do rivers flood? State the areas of occurrence of floods in India.
1983. Examine the origin of Deccan Lavas and describe the scenery associated with it.
1982. Discuss the Structure of the Peninsular India.
1981. Major Soil Types of India.
- 2. Resources:** Land, surface and ground water, energy, minerals, biotic and marine resources, Forest and wild life resources and their conservation; Energy crisis.
- Long Question**
- 2018 Keeping the recent developments in view, how can the energy crisis of India be circumvented by harnessing non-conventional energy resources?
- 2018 Make a critical appraisal of the factors affecting river water quality in India.
- 2018 Illustrate with suitable examples the endeavours undertaken in augmenting conservation of water and vegetation in India.
- 2015 Account for the geographical distribution of groundwater resources of India. How serious is its depletion in recent decades?
- 2012 Delineate the mineral belts of India and mention their distinctive features.
2011. Give an account of potentiality and prospects of development of marine resources of India. (30)
2011. Discuss the potentiality and status of aquaculture in the Ganga Plain.
2010. Offshore oilfields and coastal ecology.
2010. Assess as to how surface water utilisation affects food production and food security in the country. (30M)
- 2010 Discuss the emerging pattern of surface water utilisation in India.
2007. Discuss the need of conservation and utility of water resource in India.

2005. Present an account of the success and constraints of White Revolution in India.
2005. "Non-conventional energy is the energy of the future in India." Justify this statement.
2004. Identify the important Biotic-resource regions of India. Highlight, in brief the problems and remedial measures of biotic-resource conservation in India.
2000. Analyse the distribution of population in India in the perspective of Natural Resources and identify the overpopulated and under-populated regions in the country.
1999. Examine the need for conservation of Biotic resources in India.
1998. Bring out the present-day position of exploitation and processing of Nuclear minerals in India.
1998. Examine the pattern of distribution and mode of exploitation of Bauxite in India.
1996. Critically examine the metalliferous mineral resources India with particular reference to their present and future demand.
1995. Examine the Fossil fuel resources of India with particular reference to present and future demands of energy.
1994. Examine the Forest resources of India and explain the principles of conservation which could be applied to improve the Forest wealth of India.
1993. Critically examine the Marine resources of India and discuss the problems encountered in their development.
1992. Explain the distribution of the major Mineral resources of the Deccan plateau together with the extent of their exploitation.
1991. Critically examine the relationship between deforestation and environmental degradation with specific example from any one region in India.
1990. Assess the Fossil fuel reserves of India in terms of current and future demands for energy. Examine the present and future prospects of their utilization.
1989. Explain the causes of soil erosion occurring over extensive areas in certain parts of India. What measures would you suggest for solving this problem?
1989. Assess the Fish resources of India and examine the present and future prospects of their exploitation.
1989. Analyse the spatial patterns of the utilization of groundwater for tube-well irrigation in different parts of India.
1988. Discuss the utilization and conservation of coal resources of India.
1987. Discuss the ecological problems associated with the use of River water resources in India.
1986. Discuss briefly the utilization, distribution and production of Manganese in India.
1985. Why was attention been given to the development of marine fisheries in India? Describe the efforts that have been directed for their development.
1984. Discuss the impact of the development of electrical power in India on its industrialization.
1982. Give a brief account of the power resources of India and indicate how far they are development.
1981. Make an assessment of the relative significance of renewable and Non-Renewable Energy-Resources of India. What suggestions would you give for solving the Energy-Crisis in India?
- Short Question**
- 2016 Identify the important biotic resource regions of India and highlight their problems. (In about 250 words)
- 2016 Give an account of the development of renewable resources of India. (In about 200 words)
- 2016 Evaluate the impact of technology on resource utilization in India. (In about 200 words)
- 2015 Explain how change in land use can promote eco-development at different levels in the country.
- 2015 How does natural vegetation affect the formation of in situ soils?
- 2014 Suggest the measures of wild-life conservation with reference to extinction of rare species.
- 2014 Highlight the socio-economic and ecological roles of River Cauvery in its riverine tract.
2013. Delineate the coalfields of India and mention their distinctive features.
2000. Examine the National Forest Policy of India.
1998. Examine the resources of Andaman and Nicobar Islands.
1984. The sea as a source of raw materials.
1982. Assess the Iron ore resources of India.
1983. Give a brief account of the Petroleum resources of India.
- 3. Agriculture :** Infrastructure; irrigation, seeds, fertilizers, power; Institutional factors; land holdings, land tenure and land reforms; Cropping pattern; agricultural productivity, agricultural intensity, crop combination, land capability; Agro and social-forestry; Green revolution and its socio- economic and ecological implications; Significance of dry farming; Livestock resources and white revolution; aqua-culture; sericulture, apiculture and poultry; agricultural regionalization; agro-climatic zones; agro-ecological regions.
- Long Questions**
- 2015 With the help of a map, indicate the principal areas of dryland farming in the country and account for farmers' suicides mainly in those areas.
- 2015 Distinguish between 'agricultural productivity and 'agricultural efficiency', and bring out the disparity in regional distribution of agricultural efficiency.

2015	Explain how modernization of Indian agriculture is affected by unfavourable institutional factors with suitable examples.	light on the measures of increasing the cropping intensity in India.
2012	Divide India into agricultural regions and critically examine the role of ecological and human factors responsible for transformation of agricultural economy in any one region.	1987. Outline the Agricultural Regions of India indicating the bases of regionalisation. Bring out the factors responsible for the emergence of different crop combinations in different regions.
2009.	Discuss the impact of globalization on India's Industry and agriculture sector.(30M)	1986. Describe the problems of production and distribution of food crops in India from the regional point of view.
2008.	Discuss the basis of identifying the agro climatic zones and explain the core strategies for agricultural development.	1986. Give an account of the infrastructural factors necessary for promoting agricultural development in the dry zones of India with specific examples.
2007.	“The institutional factors have grip over the crop pattern and crop productivity on Indian agriculture”. Justify.	1985. Write an account of the growth and utilization of irrigation potential in India with particular reference to canal irrigation.
2006.	Discuss the problems and prospects of dry zone agriculture in India and highlight strategies and schemes for its development.	1985. Discuss the concept of land reform and indicate its importance for promoting agricultural development in India.
2003.	Give an account of the success and prospects of Blue Revolution with comments on its impacts on rural economy of India.	1984. Discuss the problems of agricultural development in the arid and semi-arid regions of India.
2002.	Critically evaluate the dual impacts of Green Revolution in India.	1984. Discuss the value of a quantitative analysis of crop combinations for an agricultural regionalisation of India. Illustrate your answer from an area of which you have personal knowledge.
2001.	Examine the geographical basis of agro-climatic planning regions of India.	1984. “The present economic policy of India represents an attempt to maintain a balance between a subsistence agricultural economy and a top-heavy industrial economy.” Critically examine the statement.
1999.	Write an essay on the role of animal husbandry and household industries in the development.	1983. Discuss the factors which interact to limit the area within which a crop may be successfully grown commercially in India. Give examples to justify your arguments.
1999.	Critically examine the role of infrastructural and institutional factors in the recent transformation of Indian Agriculture.	1981. Discuss the effect of relief and climate on the distribution of crops in India.
1998.	Discuss the cropping patterns in different agricultural regions of India.	1980. Give a critical account of the recent changes in agriculture in India which have contributed to the agricultural development in general and the Green Revolution in particular.
1997.	Divide Peninsular India into agricultural regions. Explain the basis of such a regionalisation.	1979. Do you consider that the agrarian problem lies at the root of all problems in India today? Support your answer with proper arguments.
1996.	Discuss the importance of irrigation in Indian Agriculture and describe the methods of irrigation practised in either the Ganga Valley or the Karnataka-Maharashtra region.	
1995.	Discuss the role of infrastructural, scientific and technological development in the recent transformation of Indian agriculture.	
1994.	Differentiate between agricultural efficiency and agricultural productivity and discuss the methods used in the determination of agricultural efficiency in India.	
1991.	Discuss the role of animal husbandry in the agricultural economy of India with special reference to any one region.	
1990.	Analyse critically whether the existing cropping pattern in different parts of India would need any change for better agriculture performance in future.	
1989.	Formulate a suitable agricultural land-use policy that will achieve the twin goals of optimum agricultural efficiency and crop productivity.	
1988.	Analyse the relationship between cropping intensity and agricultural productivity and throw	
		Short Questions
		2017 Land reform is a key to modern agriculture in India. Describe various measures taken in this direction after Independence.
		2016 Describe the distribution of black soils in India and their specific use for agriculture. (In about 200 words)
		2016 “India has paid heavily for achievement of Green Revolution in the form of economic, social and ecological cost.” Discuss. (In about 200 words)
		2015 Discuss the social and spatial ramifications of increasing longevity.
		2014 Why has agro and social forestry failed to achieve its objectives?

2014	Bring out the distribution of Laterite soils in India and their specific use for agriculture.	4. Industry: Evolution of industries; Locational factors of cotton, jute, textile, iron, and steel, aluminum, fertilizer, paper, chemical and pharmaceutical, automobile, cottage and agro-based industries; Industrial houses and complexes including public sector undertaking; Industrial regionalization; New industrial policies; Multinationals and liberalization; Special Economic Zones; Tourism including eco-tourism.
2014	'In spite of various negative impacts of Green Revolution, there is a demand for New Green Revolution'. Elaborate.	Long Questions
2013	Define agricultural productivity. Mention the methods of its measurement and bring out the disparities in its regional distribution.	2018 Give a critical account of region specific constraints of sustainable tourism in India.
2013	Discuss the role of institutional factors in shaping the pattern of Indian agriculture.	2015 Discuss the scope of replication of 'White Revolution' in India.
2013	Discuss the potentiality and present status of horticulture in the Western and Central Himalaya.	2015 Why is the traditional crafts industry in India on the decline?
2013	Explain the method of delineating crop-association regions with reference to India.	2011. Assess the scope and development of Pharmaceutical Industry in India. (30)
2011.	Impact of land tenure on agricultural productivity in India.	2010. Examine the problems and prospects of agro-based industries in Bihar. (60M)
2011.	Agro-forestry in India.	2009. Examine the role of raw materials in the location of Iron and steel industry in India. Illustrate your answer with suitable example. (60M)
2011.	Prospects of Rainbow Revolution in India.	Explain the factor responsible for the distribution of sugar industry in India. (20M)
1998.	Discuss the role and institutional factors in the efficiency and productivity of agriculture in India.	2008. Explain the factor promoting the rapid growth and development of automobile industry in India giving suitable example.
1997.	Examine the significance of social forestry in the rural economy of India.	2006. Trace the evolution of industries in India evaluates the role of multinationals and liberalisation policies in this context.
1997.	Discuss the impact of green revolution on the agricultural production in India.	2001. Describe the growth. Characteristics and distribution pattern of India's industrial regions.
1993.	Explain the role of institutional factors in the development of agriculture in India.	2000. Discuss the growth, location and distribution of iron and steel industry in India.
1992.	Discuss the role of social forestry in any one region of India.	1999. Discuss the growth, for the localization of either the cement or the cotton textile industry in India and analyse the pattern of its distribution.
1992.	Explain the distribution and characteristics of dry zone agriculture.	1998. Bring out the trends in the development of fertilizer industry in India.
1992.	What is meant by Green Revolution? Explain its successes and failures.	1997. Critically examine the locational pattern and trend of production of forest based industry in India.
1991.	What is meant by 'Operation Flood'? Discuss the manner of its implementation and its success in India.	1996. Analyse the factors for the localization of either the cotton textile or the sugar industry in India and note the recent trends in the industry.
1990.	What is the significance of land capability classification in land use planning? Explain the method of land capability classification adopted by the All India land use and soil survey organization.	1995. Examine critically the factors for the localization of iron and steel industry in India with special reference to the newer centres of steel production.
1990.	Discuss the special variation in the Development levels of canal irrigation in India in relation to the physical setting.	1994. Draw a sketch map to delineate the major industrial complexes of India and discuss their important characteristics.
1987.	Outline the impact of land reform measures on agricultural development in India.	1993. Identify the important periods of industrialization in India and analyse the character of its two most developed industrial regions.
1985.	To what extent has the high yielding variety programme helped agricultural development in India?	1990. Construct a spatial pattern of industrial development in backward areas and assess their potentialities for future development.
1984.	Dairy industry in India.	
1983.	Comment on the role social forestry in the economy of India.	
1983.	Discuss the problems of livestock rising in India.	
1982.	Discuss the value of the Narmada Irrigation Project in the economic development of Western India.	
1981.	Rajasthan Canal Project.	

and foreign trade; Trade balance; Trade Policy; Export processing zones; Developments in communication and information technology and their impacts on economy and society; Indian space programme.	2017	How may tourism in hilly areas of India be developed as an important source of economy?
	2017	Explain the role of 'Hill Transport Subsidy Scheme' in reducing regional imbalances in areas identified by the Government of India.
Long Question		
2018 Account for the persisting negative trade balance of India.	2017	Interlinking of rivers may serve as a major source of assured irrigation and all-weather inland navigation in India. Comment on its feasibility taking into account physical, economic and ecological implication.
2018 Explain the pipeline network across India and its impact on regional development.		
2018 Discuss the changing composition of international trade through major seaports of India.	2017	Integrated development of road and rail networks in a complementary framework is a prerequisite for regional development. Explain with reference to North-Eastern Region of India.
2015 Evaluate the contribution of Communication and Information Technology to the development of economy and society, and examine the relevance of the recently launched 'Digital India' programme.	2017	Describe the salient features of Sagar Mala Project and highlight its role in port-led development of coastal regions in India.
2011. Assess the growing importance of air transport in India and examine its role in the regional development of the country. (30)	2016	Explain with suitable examples the role of road transport in agricultural development in India. (In about 200 words)
2009. What is the role of triple transport system in the regional development of India. (20M)	2016	Explain with suitable examples the role of road transport in agricultural development in India. (In about 200 words)
2005. What is the Golden Quadrilateral? Discuss the progress made in its execution and impacts on Indian economy.	2014	Discuss the problems and prospects of National Waterway No. 1.
2004. Give a comparative account of development of river water transport in pre-colonial and post-independence periods in India. Highlight the role of river transport in regional development.	2014	What are the desired possible changes in our trade policy to promote the development of cottage industry?
2003. Discuss the growing importance of ports in foreign trade of India.	2012	Examine the role road transport in regional development taking suitable examples from an area you have studied in detail.
2002. Discuss the oil and natural gas pipeline network in India. Highlight their complementary role in regional development.	1998.	Explain the role railways as a unifying factor in Indian economy.
1999. Critically examine the complementary and competitive character of the Indian rail-routes and road network.	1997.	Discuss the nature of commodity flows in India.
1993. Discuss briefly the overall pattern of inter-regional trade in India.	1996.	Geographical impediments in the development of inland waterways in India.
1992. Discuss the basis on which the current-network of airways is built in India, highlighting its role in the overall transportation milieu.	1986.	Development of Railway transport in India during different Plan periods.
1991. Analyse the role of different types of transport in the commodity flows of the delta regions of East India.	1984.	Importance of coastal shipping of India.
Evaluate the contribution of the major ports of India to its international trade.	1983.	The inadequacy of transport is the major obstacle to the trade and production of India.
1989. Significance of inland waterways in the development of transportation and trade.		6. Cultural Setting: Historical Perspective of Indian Society : Racial, linguistic and ethnic diversities; religious minorities; major tribes, tribal areas and their problems; cultural regions; Growth, distribution and density of population; Demographic attributes; sex-ratio, age structure, literacy rate, work-force, dependency ratio, longevity; migration (inter-regional, intra-regional and international) and associated problems; Population problems and policies; Health indicators.
1987. Discuss the significance of traffic flow pattern, emerging trends and problems of road transport in India.		Long Question
1985. Importance of road transport in India and its development under the Plans.	2018	Critically assess the vanishing ethnic linguistic plurality of India.
	2018	Discuss the socio-economic problems associated with the left behind families of international migrants from India.
Short Questions		
2017 Critically examine the feasibility of development of a comprehensive network of airways in India.		

2015	In population planning, the thrust of the Government has been 'planning the population not 'plan for the population'. Elaborate.		countries of the world, mentioning the cause and economic implications of these trends in each case.
2012	Evaluate the population policy of India and examine its relevance to the nation's population control.	1980.	"The density of population is, as it were, the synthesis of all geographical phenomena." Examine this statement with reference to the spatial patterns of population distribution and density in India.
2010.	Ethnic diversity of North-eastern States.		
2010	Explain how Demographic Transition created Demographic Divide in Contemporary India. (30M)	1979.	"The direct effect of physical factors on the distribution of population tends to decline as civilization becomes more advanced." Discuss this statement.
2006.	Present an account of tribal, tribal areas and their problems in India.		
2004.	"Economic characteristics of an area exert a much more direct effect upon its population patterns than do the physical characteristics." Explain with examples.	1979.	Give the geographical factors, which effect the distribution and density of population in India. Is India over-populated? Discuss the various measures for solving the population problem of India.
2002.	In what way the language, religion and tradition can form the basis of cultural regionalisation of India? Elaborate.	1979.	Do you consider that the agrarian problem lies at the root of all problems in India today? Support your answer with proper arguments.
2000.	Analyse the distribution of population in India in the perspective of natural resources and identify the overpopulated and under-populated regions in the country.		Short Questions
1998.	Discuss the role of languages in regional consciousness and national integration in India.	2017	Identify the Naxal-affected areas in India and discuss their socio-economic problems.
1997.	Critically examine the factors affecting the distributional pattern of population in India.	2017	"An effective three-tier Panchayat Raj System will strengthen the bottom-up approach to multilevel planning in India." Explain.
1996.	Name the million cities of India according to 1991 census and critically examine the factors for unprecedented growth in their population in the last 40 years.	2017	"Linguistic diversity is an asset as well as a challenge in India." Explain the statement focussing on the distribution of languages and the major steps taken to address the related issues.
1992.	Examine critically the major factors responsible for the growth of two highest population density zones in India.	2016	Point out the ethnic disparities in the N-E India. (In about 200 words)
1990.	Examine the political consequences of regionalisation of our country on the basis of language.	2016	Discuss the factors influencing the distribution of sex ratio in India.
1989.	Analyse the recent trends in the growth and density of population of India and evaluate the socio-economic and environmental problems generated by them.	2016	Discuss the factors influencing the distribution of sex ratio in India.
1987.	Discuss the population problem of India in regional perspective and make specific suggestions for tackling the problem with respect to the broad population regions.	2015	"Age-sex pyramid is representative of the history of a region." Explain.
1983.	Linguistic regions in India may have a cultural reality but not economic base. Examine the view illustrating your answer with suitable examples.	2014	Highlight the implications of declining child sex ratio in India.
1982.	Discuss the distribution pattern of population in India. State how geographic factors have influenced it.	2013	Enumerate the basic indicators of development and explain their application in identification of the spatial diversity in development in India.
1981.	Explain the various population problems of India and suggest as to how this large human-resource can be made useful in the economic development of the country.	2012	How age structure affects dependency ratio? Explain with suitable examples.
1980.	What are the determinants of population growth? Discuss comparatively the trends of population growth in the developed and the developing	2012	Geographical reasons for the variation in literacy from state to state in India.
		2008.	Describe and explain spatial pattern of literacy in India.
		2007.	Examine the causes and consequences of migration.
		2006.	Discuss the causes and consequences of sex-ratio variations in India.
		2004.	Evaluate the population policy of India and examine its relevance to the nation's population control?

2002.	Account for the present distributional pattern of population density in India.		the statement with reference to sprawl of the Indian cities.
2001.	Elucidate the sex and age structure of population of India.		<ul style="list-style-type: none"> • How do the push and pull factor operate for the emergence of slum in the metropolices of India.(30M) • State the geographical factor which influence rural house types in India.(20M)
1999.	Discuss the genesis of ethnic and racial diversities in India.		
1997.	Explain the genesis of racial diversity in India.		
1996.	Elucidate the genesis of ethnic and cultural diversities in India.	2008.	‘Unplanned urban development has created numerous problems.’ Comment.
1995.	Elucidate the measure taken to limit the growth of population in India.	2006.	Explain the morphology of India cities in the background of existing morphological models.
1994.	Elucidate the population density types in India.	2000.	Describe the salient characteristics of the morphology of Indian cities.
1993.	Elucidate the current population policy of India and comment on its effectiveness.	1999.	Explain, with suitable examples and sketch-maps, the distribution of various patterns of rural settlements in India.
1993.	Analyse the changes in the literacy rate during the post-independence period in India.	1998.	Discuss the concept of city region and referring to Indian cities, examine critically functional indicators used for delimiting the city region.
1991.	Analyse the extent of urban population growth in India in the last four decades.	1995.	Give the hierarchy of planning regions and bring out the role the metropolitan planning in fostering regional development in India.
1990.	Analyse the cause of the low literacy rate of India. Suggest feasible measures for raising the literacy level.	1994.	Bring out the salient characteristics of India urbanization with suitable examples.
1985.	Describe the impact of the rise in population density on economic development in India.	1992.	Describe briefly the internal structure of Indian cities, together with the ensuing problems. Illustrate you answer with specific examples.
1982.	Critically examine the concept of optimum population.	1991.	Explain the hierarchical pattern of Indian cities and discuss their growth and distribution.
1981.	Demographic Transition <ul style="list-style-type: none"> • Trend of population growth in India since 1901 and significant contributory factors. 	1989.	Discuss the recent trends in urbanization in India and briefly describe the main characteristics and problems of the major Indian cities.
	7. Settlements: Types, patterns and morphology of rural settlements; Urban developments; Morphology of Indian cities; Functional classification of Indian cities; Conurbations and metropolitan regions; urban sprawl; Slums and associated problems; town planning; Problems of urbanization and remedies.	1988.	Discuss the process, pattern and impact of urbanization in India.
	Long Questions	1984.	What contribution has the geographer to make to an understanding of the problems of land use in big cities?
2018	Examine the driving forces of changing urban morphology of million-plus cities of India with suitable examples.	1983.	Indian Cities are lacking in layout and function. How far is this true and what historical and cultural factors are responsible for these features?
2018	Peri-urbanization has created enormous environmental problems. Discuss their causes and consequences with reference to the National Capital Region (N.C.R.) of India.	1979.	Give a critical assessment of the concept of rural-urban fringe. What criteria would you suggest to demarcate the rule-urban fringe of Indian cities?
2018	Describe the changing regional morphology of rural settlements in India.		
2012	Give an account of geographical conditions responsible for the development of different types of rural settlements in India. (30)		
2011.	Differentiate between conurbations and metropolitan regions. Give a reasoned account of emerging conurbations in India. (30)	Short Questions	
2010.	Outline the role of Class II and Class III towns in the urban process of India and indicate their contribution towards balanced urban development. (30M)	2015	“Mono-functional towns are economically vulnerable.” Discuss.
2009.	There is no sharp divide where an urban settlement stops and rural area begins”.Analyse	2014	Analyse the feasibility of ‘Smart Towns’ Development in India.
		2014	Account for the multiple problems of urban agglomerations.
		2013	Write a note on the emergence of National Settlement System in colonial India and discuss the factors contributing to urbanization in post-independence period.
		2013	Define slums and explain their problems.

2012	Morphological characteristics of villages situated in hilly regions.	2018	Why setting up of Water Management Boards is a controversial issue in India?
2006.	Discuss the elements and approaches of town planning in India.	2018	Explain the changing river courses and their impacts on the riparian population in India with suitable examples.
2005.	Discuss briefly the principal types of rural settlements in India.	2018	Examine the role of people's participation in successful decentralised planning in India.
2004.	How do slums develop? Give concrete suggestions for their improvement.	2018	Discuss the strategies of integrated development of island territories in India.
2003.	Discuss the census definition of urban areas in India.	2015	Outline the Government of India's strategies of conservation of the Western Ghats.
2000.	Discuss the environmental impact of the growth of slums in Indian cities.	2015	Discuss the concept of multi-level planning as practised in India, explain the implications of 73rd and 74th Constitutional Amendments in this respect.
1999.	Hierarchical pattern of Indian towns.	2015	Reduction in regional disparities has been one of the priority goals of national planning in India. How the proposed new Smart urban centres may contribute to the process?
1998.	Discuss the geographical control of rural settlement.	2015	Is planning for a cluster of villages a viable option, when planning for backward areas of the country? Discuss with suitable examples.
1997.	Examine the census concept of urban areas in India.	2015	Decentralized planning through the strengthening of the Panchayat system is the focus of planning in India in recent times. Suggest a blueprint for an integrated regional development plan.
1996.	Factors for the growth of slums in the metropolitan cities of India.	2011.	Discuss the spatial pattern of intra-regional migration in India and examine its implications in regional development. (30)
1995.	Land-use characteristics of the rural-urban fringe in India.	2010.	Identify the regions affected by Chikungunya with the help of a sketched map and bring out the regional pattern of the disease. (30M)
1994.	Internal structure of an Indian city.		● What is Regionalism? Discuss how regionalism affects the development process with suitable example. (30M)
1993.	Distinguishing features of an urban slum and its position on metropolitan area.	2008.	Discuss the problem and prospect of development of catchment and command areas.
1992.	Major characteristics of the rural-urban fringe around metropolitan cities.	2006.	Explain the processes and patterns of regional disparities in India and suggest suitable measures for bringing about the regional balances.
1991.	Explain the basis and characteristics and hierarchy of urban settlements in the NE Region of India.	2005.	Discuss the experience of regional planning in India in the context of the National Capital Region.
1990.	Function, classification and hierarchy of urban settlements.	2005.	Examine the relationship between geography and regional planning.
1990.	Growth of urban slums and problems associated with them.	2003.	Discuss the programmes and policy of development of dry areas of India.
1988.	Characteristics of Rural-Urban Fringe in India.	2003.	Present an account of the experience of regional planning in India in the context of Damodar valley.
1987.	Functional and morphological typology of India cities.	2001.	Explain in the concept of watershed and its utility in land management.
1986.	Functional and hierarchical patterns of Indian cities.	1999.	Analyse the causes of regional disparities in the economic development of India and suggest measure for their removal.
1985.	Rural settlement patterns in the Ganga valley.	1998.	Critically examine the problems and prospects of Tribal areas in India.
1985.	Problems of slums and urban development with particular reference to any metropolis in India.		
1983.	Factors contributing to the growth of the urban fringe of either Calcutta or Mumbai.		
1982.	What is meant by urban functions? How are they different from rural functions?		
1981.	Central Business District.		
	8. Regional Development and Planning:		
	Experience of regional planning in India; Five Year plans; Integrated rural development programmes; Panchayati Raj and decentralised planning; Command area development; Watershed management; Planning for backward area, desert, drought prone, hill, tribal area development; multi-level planning; Regional planning and development of island territories.		
	Long Question		

1997.	Draw a sketch map of the India showing major river basins. Examine the feasibility of the concept of river basins as a planning unit.	2017	Religious minorities are largely concentrated in border States of India. Discuss its causes and consequences.
1996.	Explain the salient features of the tribal development programme with particular reference to either Dandakaranya or Chotanagpur.	2016	Present a comparative analysis of geographical factors responsible for distribution of human settlements in Rajasthan desert and North-Eastern regions of India. (In about 250 words)
1995.	Give the hierarchy of planning regions and bring out the role of metropolitan planning in fostering regional development in India.	2016	Examine the causes of regional disparities in economic development in India. (In about 200 words)
1994.	Discuss the growth of regional planning in India and account for regional disparities in development.	2016	Describe the causes and effects of urbanization in India and explain its impact on rural landscape and urban ecology. (In about 250 words)
1992.	Examine critically the advantage and disadvantages of multi-level planning with special reference to India.	2015	Discuss the relationship of watershed approach to village level planning.
1991.	Discuss the changes brought about in India agriculture by successive FYP, mentioning their successes and failure.	2014	Comment on the criteria of identifying Drought Prone Areas in India.
1991.	Identify the major tribal communities in India by regions and examine the problems common to all of them and the ways of their solution.	2014	Evaluate the Backward Regions Grant Fund Programme.
1990.	What is meant by Integrated Rural Development Planning? What are its components? What has been the extent of its success in relation to its objectives?	2014	How can a meaningful skill development programme contribute to the economic growth of hill areas?
1989.	Analyse the prevailing patterns of regional disparities in the socio-economic development of India and evaluate the role of the FYP'S in reducing them.	2014	Discuss the concept of Command Area Development and evaluate its success with reference to Indira Gandhi Canal.
1988.	Differentiate between River Basins and Command Area. Discuss the advantage and disadvantages of River basin as planning regions in India. Give concrete examples.	2013	Write short notes on planning and development of 'Tribal Regions' in India.
1987.	Analyse the causes and consequences of regional disparity in the economic development of India and outline measures to reduce the disparity.	2013	'City-regions as territorial unit for regional planning and development' Explain.
1986.	Examine the geographical basis for the growth of regional consciousness and regionalism during the last three decades in India.	2012	Elucidate the role of Tribal Development Blocks in the development of Tribal areas.
1985.	Discuss the regional disparities in the growth of manufacturing industries in India.	2007.	Discuss the policies and programmes of Integrated Rural Development Programmes in India.
1982.	What in regional survey? How does it lead to planning? Discuss with suitable examples.	2007.	Critically examine the Panchayati Raj setup.
1979.	Assess the importance of Damodar Valley project or any other Multi-purpose river valley project, in the economy of the region.	2005.	Discuss Panchayati Raj as a measure of decentralised planning in India.
	● Explain the significance of diagnostic surveys for regional planning.	2005.	Identify the tribal areas of India and highlight their important problems.
		2003.	Explain the concept of Command Area Development in respect of Multi-purpose projects of India.
		2003.	Identify the drought-prone areas of India and discuss the measures of their development.
		2002.	Elucidate the role of Tribal Development Blocks in development of Tribal areas.
		2000.	Explain the concept of Multi-level planning in India.
		1999.	Nature the utility of Multi-level planning in India.
		1997.	Evaluate the benefits of Block level development planning in India.
		1996.	Magnitude of regional imbalances in economic development in India.
		1995.	Discuss the problems of tribal areas in India.
Short Questions			
2017	Mention various methods of functional classification of towns in India and explain the method applied by Asok Mitra.		
2017	Bring out the significance of India Regional Navigation Satellite System (IRNSS).		
2017	Goods and Services Tax (GST) has differential impact on developed and backward States of the country. How and why?		

1993. Major causes for regional disparities in development of India.
1992. Salient features of Tribal Area Planning.
1989. Discuss the problems of the tribal areas and suggest measures for solving them?
1988. Significance of District Planning in India.
1987. Centre-State relations and Multi-level planning in India.
1986. Regional Planning in India.
1984. Problems involved in the economic development of tribal areas of India.
1983. "Core Area" for successful regional planning in India.
- 9. Political Aspects:** Geographical basis of Indian federalism; State reorganisation; Emergence of new states; Regional consciousness and inter state issues; international boundary of India and related issues; Cross border terrorism; India's role in world affairs; Geopolitics of South Asia and Indian Ocean realm.
- Long Questions**
- 2018 Discuss the emerging geo-political scenario of Indian Ocean realm.
- 2018 Cross border terrorism has implications on border area development in India. Examine it with suitable examples.
- 2018 Is the land boundary of India with its neighbouring countries a cultural divide or divided culture? Explain with suitable examples.
- 2015 Give a reasoned account of river water disputes related to the River Krishna.
- 2015 How has India's 'Look East' policy taken shape in the past two decades and how it may affect India's external trade?
- 2012 Examine the origin, dimensions and implications of the Sino-Indian border dispute.
2008. Critically examine the basis of state reorganization in India since Independence.
2007. Discuss the geo-political importance of India's land boundaries.
2000. Analyse the role of India in the geo-politics of the Indian Ocean region.
1997. Explain the basis and consequences of the establishment and implementation of recommendations of State Reorganisation Commission in India since 1900s.
1993. "India presents an example of unity in diversity." Elucidate this statement in the context of India's physical and human aspects.
1993. Examine critically the geographical basis of India Federation.
1986. Examine the geographical basis for the growth of regional consciousness and regionalism during the last two decades in India.
1983. How far is it true to say that the Indian Ocean is actually and potentially a major focus of international relations and dispute?
1980. Give an ideal geographical regionalisation of India.
1980. 'The gates of India have become water-gates and the way to India, the way of the sea' Sir Thomas Holdich. Analyse the role of geographical factors in controlling, through well defined gates, the entry into India of migrants, both in peace and in war, from the earliest times and assess their relative importance.
1980. Critically examine the political consequences of regionalisation of our country on the basis of language.
- Short Questions**
- 2017 Mini steel plants can act as an instrument of decentralization of iron and steel industry in India. Explain.
- 2016 Mention the space relationship of India with neighbouring countries. (In about 150 words)
- 2016 Explain the origin, dimension and implications of Sino-Indian border dispute. (In about 200 words)
- 2014 Bring out the role of terrain in determining India's political influence over neighbouring countries.
- 2014 Discuss the implications of India's strategic location with reference to the Indian Ocean.
- 2014 India is involved in a number of border disputes. Explain the reasons and remedies.
- 2013 Write a note on geopolitics of the Indian Ocean realm.
- 2013 Comment on the basis of creation of new States in India in 2000.
- 2012 Examine the relevance of linkage of rivers in India with special reference of Ganga-Cauveri linkage canal.
2010. Role of physiography in cross border terrorism.
2008. Assess the geopolitical significance of Indian Ocean.
2006. Examine the geographical basis of Indian federalism.
2004. Write an essay on the origin, dimensions & implications of Sino-India border dispute.
2003. Make an appraisal of the role of India in the geopolitics of Indian Ocean.
2002. Discuss the salient features of Cauvery Water Award.
1999. Regional consciousness versus national integration.
1998. Discuss the geo-political importance of Indian Ocean area.
1996. Geographical basis of the Indian federation.
1995. Importance of India in the geo-politics of the Indian Ocean realm.
1994. Problems of militancy in India's border states.
1994. Explain the salient features of Sardar Sarovar project and elucidate the controversy related to its implementation.

1992.	Major issues involved in Sino-Indian boundary conflict.		term remedial measures indicating the chronically flood-prone areas.
1991.	Discuss the political issues involved in the 'Tin Bigha' or 'Siachen' dispute.	2012	Explain the causes, impact and remedial measures of flood-hazards in the middle Ganga plain. Represent the flood-affected areas of middle Ganga plain on a sketch map in your answer-book.
1990.	The international boundary of India and related issues.		
1989.	Regional consciousness and national integration.		
1988.	The Sino-Indian boundary.	2011.	Identify the ravine-affected areas in India and discuss the environmental and economic impacts of their reclamation.
1988.	Give the geographical basis of unity and diversity in India.		
1987.	Geo-political significance of the Indian ocean.	2011.	Discuss the problems of environmental degradation generated by urban wastes in India.
1987.	Concept of nation and state.	2011	Analyse the causes of desertification in India. Represent the desertified areas of the country on a sketch map and suggest remedial measures to control it.
1984.	Unity and diversity are both inherent in federalism.		
1983.	North western frontiers of India and the related political problems.	2010.	Define an 'Epidemic' and discuss the occurrence of Chikugunya in India.
1982.	Indo-Pakistan border problem.		
1981.	Basis of geographical regionalisation of India.		How does the formation of a National Park help ecological restoration and conservation? Explain with suitable examples.
10.	Contemporary Issues: Ecological issues: Environmental hazards, landslides, earthquakes, Tsunamis, floods and droughts, epidemics; issues relating to environmental pollution; Change in patterns of land use; Principles of environmental impact assessment and environmental management; Population explosion and food security; Environmental degradation: Deforestation, desertification and soil erosion; Problems of agrarian and industrial unrest; Regional disparities in economic development; Concept of sustainable growth and development; Environmental awareness; Linkage rivers; Globalisation and Indian economy.	2009.	What are the causes and consequences of environmental degradation in India's Industrial areas. Give specific examples. (60M)
			Giving reasons, identify the chronic drought prone areas of India. (20M)
		2007.	Discuss environmental problems of India in the context of rapid economic development and population growth.
		2005.	Give an account of the distribution of flood-prone areas of India and the programmes and policy of controlling the impact of floods in the country.
		2004.	Explain the causes, impacts and remedial measures of flood-hazards in Middle and Lower Ganga plain.
		2003.	Explain the causes of regional disparities in economic development of India.
		2002.	Explain the causes, impacts and remedial measures of earthquake disaster.
		2002.	Give a reasoned account of regional disparities in economic development in India and bring out the contribution of decentralized planning in solving this problem.
		2001.	Explain the geographical characteristics of the regional distribution of earthquakes in India.
		2000.	Give a reasoned account of either flood hazard to drought hazards occurring in India, and also suggest measures for controlling them.
		1999.	Analyse the causes of regional disparities in the economic development of India and suggest measures for their removal.
		1997.	Evaluate the nature of ecological problems in India and suggest measures for their management.
		1996.	Magnitude of regional imbalances in economic development in India.
Long Questions			
2018	Explain the unusual intensity of dust storms and thunder storms across India in the pre-monsoon period of year 2018.		
2018	Explain the contemporary agricultural scenario in the context of rapid urbanization in India.		
2018	Assess the suitability of Special Economic Zones (SEZs) for the sustainable economic development in India.		
2018	Examine the ongoing process of agricultural diversification and its implications for food security in India.		
2018	Describe the socio-spatial consequences of the recent Nipah viral encephalitis in India.		
2018	Startups may play important role in giving fillip to economic growth in India. Illustrate with examples.		
2015	Indian island territories are vulnerable to the sea level rise. Explain.		
2015	How does climate change affect the process of desertification of India?		
2015	Account for the growing frequency and intensity of floods in India, and suggest short- and long-		

1994.	Discuss the growth of regional planning in India and account for regional disparities in development.	2014	Explain how eco-tourism activities could be important livelihood options in the Himalayan and North-Eastern regions of the country.
1991.	Critically examine the relationship between deforestation and environmental degradation with specific examples for any one region in India.	2013	What do you understand by 'Young India'? How can the present state of population composition be converted into an asset for the country?
1987.	Analyse the causes and consequence of regional disparity in the economic development of India and outline measures to reduce the disparity.	2013	Demographic dividend and its implications on Indian socio-economic environment.
1986.	Discuss the environmental problems regarding industrial pollution in India.	2013	Discuss the objectives of 'Vision 2020' in creation of viable village complex in India for 'Inclusive Rural Development' programme.
1986.	Describe the programmes for management and development of forests in India under the National Forest Policy. Mention briefly the roles of other institutions in the development of forestry in the country.	2013	Identify the earthquake-prone zones and suggest strategy for their management.
		2013	Describe the impact of linguistic diversity on the development of various regions of India.
1984.	What contribution has the geographer to make to an understanding of the problems of land use in big cities?	2013	Describe how urbanization creates air and water pollution in India.
		2013	Comment on the feasibility of interlinking of rivers of India and its possible contribution to resolution of water crisis.
Short Questions			
2017	Farmers' suicide is one of the major agrarian problems in India. Bring out its causes and suggest the remedial measures with special reference to Maharashtra, Andhra Pradesh and Punjab.	2012	Identify Tsunami affected areas and give their management problems in India.
		2012	Factors affecting innovation diffusion.
2017	What do you understand by soil pollution? Delineate the areas vulnerable to it in India and suggest remedial measures.	2012	Linguistic diversity in North-eastern states.
		2008.	Explain the concept of Sustainable development and examine its relevance.
2017	Drainage pattern in Peninsular India is a result of its geological structure and topography. Elaborate.	2008.	Suggest appropriate energy policy for minimizing energy crisis in India.
		2006.	Write an essay on the population explosion and food security in India.
2017	Why has solar energy in India not been developed to desired level in spite of its high potential?	2005.	Elucidate the concept of sustainable growth and development.
		2004.	Evaluate the concept of sustainable growth and development.
2016	Explain the impact of economic development on environmental degradation in India. (In about 200 words)	1994.	Examine the nature and extent of environmental degradation in Himalayas.
2014	Differentiate between the 'intensity' and 'magnitude' of an earthquake and explain its varying impact in different parts of India.	1993.	Major cause for regional disparities in the development of India.
2014	How has an inappropriate urban land use policy accounted for undesirable development in and around metropolitan cities?	1982.	Discuss with suitable examples the influence of environment on productive occupation in the world.

GEOGRAPHY MAPPING

2012

⊙ As per the analysis of last 20 years questions/ location the main themes are as follows :

• River •Lake •Mountains/Peak •Hill Station/Tourist Spot •Reserves(iron coal,minerals etc) •Passes •Waterfalls/ Dams •Cultural/Historical/Religious/ Current News Towns

- | | |
|---|----------------------|
| (a) Manas | (b) Bachau |
| (c) Ganga river waterway from Allahabad | |
| (d) Indravati river | (e) Amravati river |
| (f) Pir Panjal Range | (g) Narkondam Island |
| (h) Kharkai river | (i) Kalahandi |
| (j) Kakrapara | (k) Murshidabad |
| (l) Khetri | (m) Pawapuri |
| (n) Kolhan highland | (o) North Koel river |

Q. On the outline map of India provided to you, mark the location of all of the following. Write in your QCA Booklet the significance of these locations, whether physical/commercial/economic/ ecological/ environmental/cultural, in not more than 30 words for each entry.

2011

- | | |
|--------------------------|------------------|
| (a) Badami | (b) Mandvi |
| (c) Dodital | (d) Yanam |
| (e) Netarhat | (f) Shamsabad |
| (g) Lakshmantirath River | |
| (h) Bara-Lacha La | (i) Kakolat Fall |
| (j) Singrauli | (k) Dafla Hills |
| (l) Tree Island | |

2018

- | | |
|-----------------|-----------------|
| (a) Shyok River | (b) Mawlynnong |
| (c) Shravasti | (d) Kori Creek |
| (e) Amarkantak | (f) Ghatshila |
| (g) Tawang | (h) Neyyar |
| (i) Dandeli | (j) Mulshi Lake |

2010

- | | |
|-------------------|--------------------|
| (a) Narcondam | (b) Kavvayi |
| (c) Krishnapatnam | (d) Shadnagar |
| (e) Gahirmatha | (f) Point Calimere |
| (g) Jaitapur | (h) Parichha |
| (i) Salto Kangri | (j) Shencottah Gap |
| (k) Banas River | (l) Phalgu River |
| (m) Sirpur | (n) Sanand |
| (o) Drass | |

2017

- | | |
|---------------------|-------------------------|
| (a) Thumba | (f) Hampi |
| (b) Nayachar Island | (g) Havelock Island |
| (c) Doddabetta | (h) Luni River |
| (d) Devasthal | (i) Daringbadi |
| (e) Pangong Lake | (j) Dudhsagar Waterfall |

2009

- | | |
|--|--------------------|
| (a) Akarimota | (b) Kolleru Lake |
| (c) Van Tivu | (d) Silent Valley |
| (e) Amaravati River | (f) Pirotan Island |
| (g) Mangla | (h) Meghnagar |
| (i) Shipki La | (j) Bhachau |
| (k) The Home of Sundari tree | |
| (l) Gokak (Place of orgin of River Narmadam) | |
| (n) Ken River | (o) Bailadila |
| (p) Bhavani Sagar Dam | (q) Kutralam Falls |
| (r) Dalma Hills | (s) Rangit River |
| (t) Dhanjori Hills | |

2016

- | | |
|----------------------|----------------|
| (a) Pir Panjal Range | (f) Kudankulam |
| (b) River Indravati | (g) Nalanda |
| (c) Nathu La Pass | (h) Kudremukh |
| (d) Jog Falls | |
| (e) Pulicat Lake | |

2008

- | | |
|--------------------|--------------------|
| (a) Butcher Island | (b) Gopalpur Beach |
| (c) Lavasa | (d) Gandhisagar |
| (e) Nam Dapha | (f) Pampore |
| (g) Mount Harrier | (h) Barail Ranges |
| (i) Palitana | (j) NIO |
| (k) Baltel | (l) Pindari |

2015

- | | |
|-----------------------|--------------------|
| (a) Nokrek | (f) Tharangambadi |
| (b) Gorakhnath Peak | (g) Namcha Barwa |
| (c) Indrakiladri Peak | (h) Narcondam |
| (d) Polavaram | (i) Khajjiar |
| (e) Anaimudi | (j) Chunchanakatte |

2007

- | | |
|--------------------------------|---------------------------|
| (1) Nagarjuna Sagar | (2) Dharmasala |
| (3) Aizawl | (4) Konkan Railway |
| (5) Kovalam Beach | (6) Nagaljuna Sagar |
| (7) Periyar Wildlife Sanctuary | |
| (8) ICRISAT | (9) Vishakhapatnam Port |
| (10) Panna | (11) Nuclear Fuel Complex |

2014

- | |
|---------------------|
| (a) Guru shikhar |
| (b) Bhorghat |
| (c) Shravanbelagola |
| (d) Kalibangam |
| (e) Ganga sagar |

2013

- | | |
|-------------------------|-------------------|
| (a) Mishmi Hills | (b) Lipulekh Pass |
| (c) Bees River | (d) Rihand Dam |
| (e) Rajgir | (f) Sindri |
| (g) NH No. 24 | (h) Churk |
| (i) Indira Gandhi Canal | |

(12) Gurgaon	(13) Bodh Gaya	(a) Addis Ababa	(b) Vladivostok
2006		(c) Mt. Cotopaxi	(d) Mt. Gunnbjorn
(1) Malaygiri	(2) Sibsagar	(e) Pidurutalagala	(f) Amu Darya
(3) Khetri	(4) Kolleru	(g) Long Island	(h) Nubian Desert
(5) Sind river kalakot	(6) Nathula Pass	(i) Karkloof Waterfall	(j) Yellow Sea
(7) Renukoot	(8) Sabarigiri	(k) Great Bear Lake	(l) Welland Cana(l)
(9) Surendranagar	(10) New More Island	1999	
(11) Javedi Hills		(a) Farakka barrage	(b) Kavaratti
2005		(c) Manali-leh highway	(d) Majuli riverain island
(1) Jawaharlal Nehru Port		(e) Rajmahal hills	(f) Palghat gap
(2) Chandra Bhaga River		(g) Chhattisgarh plain	(h) Luni river
(3) Kaimur Range	(4) Dalhousie	(i) Karwar	(j) Anandpur Sahib
(5) Ganga Sagar	(6) Indira Point	1998	
(7) Cardamom Hills	(8) Bombay High	(a) Hirakund Dam	(b) Konkan Coast
(9) Nag Pahar	(10) Gersoppa Falls	(c) Satpura Range	(d) Narmada River
(11) Pulicat Lake	(12) Kakinada	(e) Lava Region	(f) Paradip Port
2004		(g) Visakhapatnam	(h) Lucknow
(1) Gulf of Kachchh	(2) Indravati river	(i) Chilka Lake	(j) Bangalore
(3) Mount Abu		1997	
(4) Ganga river waterway from Allahabad		(a) Mettur Dam	(b) Kaziranga Park
(5) Dhauladhar range		(c) Loktak Lake	(d) Puri
(6) Kudremukh	(7) Gulmarg Black soils	(e) Vindhyan Mountains	
(8) Nagarjun Sagar	(9) Bhuj	(f) Mahanadi	(g) Itanagar
(10) Rajrappa Fall	(11) Dimapur	(h) Haldia	(i) Sunderbans
2003		(j) Khetri copper mines	
(1) Loktak Lake	(2) Elephanta Island	1996	
(3) Kali Sindh River	(4) Ranikhet	(a) Malwa Plateau	(b) Zaskar Range
(5) Girnar Hills	(6) Alwaye	(c) Ranthambore	(d) Barauni
(7) Shillong Plateau	(8) Kolar Gold Mines	(e) Rourkela	
(9) Salem	(10) Rohtang Pass	1995	
(11) Gobind Ballabh Pant Sagar		(a) Kolleru Lake	(b) Maikal range
(12) New Mangalore		(c) Palghat	(d) Darjeeling
2002		(e) Rann of Kachchh	(f) Bokaro
(1) Blue Mountain	(2) Tawa river	(g) Corbett Park	
(3) Dallirajhara mines	(4) Marmugao	1994	
(5) Coimbatore	(6) Kodaikanal	(a) Marmgao	(b) Agartala
(7) Wular lake	(8) Rourkela	(c) Vadodara	(d) Tapi
(9) Konkan railway	(10) Laterite soils	1993	
(11) Gulf of Mannar	(12) Rana Pratap Sagar	(a) Sabarmati River	(b) Bababudan Hills
2001		1992	
(1) Harishchandra Range		(a) Kalpakkam	(b) Rajmahal Hills
(2) Bhima river		(c) Khetri	
(3) Semi-arid climatic zone		1991	
(4) Manas National Park		(a) Bhadravati	(b) Lakshadweep
(5) Anai Mudi		(b) Hirakud Reservoir	(d) Port Blair
(6) Sambhar lake	(7) Digboi oilfield	(e) Main Boundary Fault	
(8) Baghelkhand	(9) NH No. 8	(f) Bombay High	
(10) Anjar		1990	
(11) Red and Yellow soil areas		(a) Sardar Sarovar	(b) Hassan
(12) Minicoy island		(c) Guif of Cambay	(d) Mount Abu
2000			