

# PHYSICAL & HUMAN–ECONOMIC GEOGRAPHY – UPSC MAINS PYQS (BRAINSTORMING SHEETS - 45 YEARS PYQS COVERED)

## MACRO TOPIC - CLIMATOLOGY – ATMOSPHERE & WEATHER

#	Micro Topic	Year	Marks	Question
1.	Sea Surface Temperature & Cyclones	2024	10	What is sea surface temperature rise? How does it affect the formation of tropical cyclones?
2.	Cloudbursts	2024	10	What is the phenomenon of 'cloudbursts'? Explain.
3.	Aurora Australis & Borealis	2024	15	What are aurora australis and aurora borealis? How are these triggered?
4.	Cyclone Warning Systems	2022	10	Discuss the meaning of colour-coded weather warnings for cyclone prone areas given by India Meteorological Department.
5.	Troposphere & Weather Processes	2022	15	Troposphere is a very significant atmosphere layer that determines weather processes. How?
6.	Arctic & Antarctic Ice Melt — Effects	2021	15	How does the melting of the Arctic ice and glaciers of the Antarctic differently affect the weather patterns and human activities on the Earth? Explain.
7.	Himalayan Glaciers & Water Resources	2021	10	How will the melting of Himalayan glaciers have a far-reaching impact on the water resources of India?
8.	Desertification — No Climate Boundaries	2020	10	The process of desertification does not have climate boundaries. Justify with examples.
9.	Circum-Pacific Zone	2020	10	Discuss the geophysical characteristics of Circum-Pacific Zone.
10.	Cryosphere & Global Climate	2017	10	How does the cryosphere affect global climate?
11.	Monsoon Climate — Feeding World Population	2017	15	What characteristics can be assigned to monsoon climate that succeeds in feeding more than 50 percent of the world population residing in Monsoon Asia?
12.	Air Mass & Macro-Climatic Changes	2016	12.5	Discuss the concept of air mass and explain its role in macro-climatic changes.
13.	Indian Monsoon & Humanising Landscape	2015	12.5	How far do you agree that the behaviour of the Indian monsoon has been changing due to humanizing landscape? Discuss.
14.	El Nino & Unusual Climate	2014	12.5	Most of the unusual climatic happenings are explained as an outcome of the El-Nino effect. Do you agree?
15.	Tropical Cyclones — Geographic Confinement	2014	12.5	Tropical cyclones are largely confined to South China Sea, Bay of Bengal and Gulf of Mexico. Why?
16.	Tropical Cyclone Naming	2013	12.5	The recent cyclone on the east coast of India was called 'Phailin'. How are the tropical cyclones named across the world? Elaborate.
17.	Jet Streams & Western Disturbances	2008	10	The winter rains in North India are largely related to Jet Streams and Western Disturbances. Bring about the relationship.

18.	Himalaya & Tibet in Monsoon Development	2007	10	Explain how the Himalayan and the Tibetan highlands play an important role in the development of the South West monsoon.
19.	Monsoon — Winds & Rainfall Distribution	2002	10	Discuss the distribution of winds and rainfall over India in the summer monsoon season.
20.	Indian Monsoon — Causes	2001	10	Explain the causes of the Indian Monsoon.
21.	Indian Monsoon — Origin	1997	10	Discuss the origin of Monsoon in India.
22.	Rainfall Intensity & Indian Farmers	1995	10	What is 'intensity of rainfall'? Discuss its importance to Indian farmers.
23.	Northeast Monsoon — Tamil Nadu	1994	10	Which part of India receives more rainfall from the northeast monsoon than from the southwest monsoon? Explain why it is so.
24.	Monsoon Forecasting — IMD	1991	15	What is the basis of monsoon forecasts now prepared by the Indian Meteorological Department, which have been reasonably correct for the last three successive years?
25.	Weather Forecasting Technology	1989	10	How has modern technology contributed to a better forecasting of weather? Mention the particular efforts made in India in this regard.
26.	El Nino & India	1988	10	What is El Nino? How is it relevant to India?
27.	Monsoon & Economic System	1982	10	Monsoon is known to be the energy released by the sea. Explain how does this energy helps the entire economic system of the country. In what ways the country can be prepared to fight the vagaries of the monsoon.
28.	Tamil Nadu — Wettest in Nov-Dec	1981	10	Unlike most other parts of the country, why is the Tamil Nadu coast wettest in November-December and not in July-August?

### MACRO TOPIC - CLIMATOLOGY – TEMPERATURE & PRESSURE

#	Micro Topic	Year	Marks	Question
29.	SW Monsoon as Purvaiya in Bhojpur	2023	10	Why is the South-West monsoon called 'Purvaiya' (easterly) in Bhojpur Region? How has this directional seasonal wind system influenced the cultural ethos of the region?
30.	Twisters — Gulf of Mexico	2024	15	What is a twister? Why are the majority of twisters observed in areas around the Gulf of Mexico?
31.	Heat Islands in Urban Areas	2013	10	Bring out the causes for the formation of heat islands in the urban habitat of the world.
32.	Temperature Inversion	2013	10	What do you understand by the phenomenon of 'temperature inversion' in meteorology? How does it affect weather and the habitants of the place?
33.	Himalayas & Winter Climate of North India	2001	10	Had there been no Himalayas, what would have been the winter climate in north India?
34.	Ozone Hole	1996	10	What is ozone hole? How is it formed and what effect does it have on the earth?
35.	Greenhouse Effect	1995	15	What is 'greenhouse effect'? What are its adverse effects on the Earth's environment? What steps are being taken to check the same?

## MACRO TOPIC - ECONOMIC GEOGRAPHY – AGRICULTURE & TRANSPORT

#	Micro Topic	Year	Marks	Question
36.	Non-Farm Primary Activities & Physiography	2025	10	What are non-farm primary activities? How are these activities related to physiographic features in India? Discuss with suitable examples.
37.	AI, Drones, GIS & RS in Planning	2025	15	How can Artificial Intelligence (AI) and drones be effectively used along with GIS and RS techniques in locational and areal planning?
38.	Gangetic Valley Groundwater & Food Security	2024	15	The groundwater potential of the Gangetic valley is on a serious decline. How may it affect the food security of India?
39.	Climate Change & Food Security in Tropics	2023	10	Discuss the consequences of climate change on the food security in tropical countries.
40.	Global Freshwater Crisis	2023	10	Why is the world today confronted with a crisis of availability of and access to freshwater resources?
41.	Rubber-Producing Countries & Environment	2022	15	Describing the distribution of rubber-producing countries indicate the major environmental issues faced by them.
42.	Straits & Isthmus in International Trade	2022	15	Mention the significance of straits and isthmus in international trade.
43.	Agro-Based Food Processing — North West India	2019	10	Discuss the factors for localization of agro-based food processing industries of North West India.
44.	Blue Revolution & Pisciculture	2018	15	Defining blue revolution, explain the problems and strategies for pisciculture development in India.
45.	Pulses Cultivation — Advantages	2017	10	Mention the advantages of the cultivation of pulses because of which the year 2016 was declared as the International Year of Pulses by United Nations.
46.	Inland Water Transport — India	2016	12.5	Enumerate the problems and prospects of inland water transport in India.
47.	Tea Gardens — Darjeeling Success & Failure	2014	12.5	Whereas the British planters had developed tea gardens all along the Shivaliks and Lesser Himalayas from Assam to Himachal Pradesh, in effect they did not succeed beyond the Darjeeling area. Explain.
48.	Green Revolution — Eastern India Bypass	2014	12.5	Why did the Green Revolution in India virtually by-pass the eastern region despite fertile soil and good availability of water?
49.	Dry Farming in India	1999	10	What is dry farming? Discuss its relevance in augmenting the food supply in India.
50.	Shifting Cultivation — Characteristics	1996	10	What is shifting cultivation? Describe its salient characteristics with reference to India.
51.	Dryland Agriculture	1994	10	What is dryland agriculture? Discuss its importance to India.
52.	Marine-Based Industries in India	1989	10	Which part of India has developed comparatively more marine-based industries and why?

53.	Wheat Growing Regions in India	1985	10	What are the important wheat growing regions in India, and why are we now growing enough wheat in India to meet our own demand for it?
54.	Shifting Cultivation — India	1981	10	What is shifting cultivation? Where in India has this been localized to? Consider its consequences and examine the steps taken by Government to prevent this practice.
55.	Major Ports — India's Coasts	1980	10	Name two major ports in India's eastern and western seacoasts and the major exports/imports through each of these ports.

### MACRO TOPIC - ECONOMIC GEOGRAPHY – RESOURCES & INDUSTRIES

#	Micro Topic	Year	Marks	Question
56.	Solar Energy — Ecological & Economic Benefits	2025	10	Explain briefly the ecological and economic benefits of solar energy generation in India with suitable examples.
57.	Offshore vs Onshore Oil Reserves	2025	15	Give a geographical explanation of the distribution of off-shore oil reserves of the world. How are they different from the on-shore occurrences of oil reserves.
58.	India's Coastline — Resource Potential	2023	15	Comment on the resource potentials of the long coastline of India and highlight the status of natural hazard preparedness in these areas.
59.	Deccan Trap — Natural Resource Potential	2022	10	Discuss the natural resource potential of 'Deccan trap'.
60.	Gondwanaland & India's Mining Industry	2021	10	Despite India being one of the countries of the Gondwanaland, its mining industry contributes much less to its Gross Domestic Product (GDP) in percentage. Discuss.
61.	Iron & Steel Industry — Location Away from Raw Material	2020	10	Account for the present location of iron and steel industries away from the source of raw material, by giving examples.
62.	Solar Energy — Regional Variations in India	2020	15	India has immense potential of solar energy though there are regional variations in its developments. Elaborate.
63.	Regional-Resource Based Manufacturing	2019	10	Can the strategy of regional-resource based manufacturing help in promoting employment in India?
64.	India & Arctic Region	2018	10	Why is India taking keen interest in the Arctic region?
65.	Dead Zones — Marine Ecosystem	2018	10	What are the consequences of spreading of 'Dead Zones' on marine ecosystem?
66.	Industrial Corridors in India	2018	15	What is the significance of Industrial Corridors in India? Identifying industrial corridors, explain their main characteristics.
67.	Coal Mining — Environmental vs Development	2017	10	'In spite of adverse environmental impact, coal mining is still inevitable for development.' Discuss.
68.	Petroleum Refineries — Location	2017	15	Petroleum refineries are not necessarily located nearer to crude oil producing areas, particularly in many of the developing countries. Explain its implications.
69.	South China Sea — Geopolitical Significance	2016	12.5	South China Sea has assumed great geopolitical significance in the present context. Comment.

70.	Oil in Arctic Sea — Economic & Environmental	2015	12.5	What are the economic significances of discovery of oil in Arctic Sea and its possible environmental consequences?
71.	Iron & Steel Industry — Spatial Pattern	2014	12.5	Account for the change in the spatial pattern of the Iron and Steel industry in the world.
72.	Ocean Resources — Meeting Resource Crisis	2014	12.5	Critically evaluate the various resources of the oceans which can be harnessed to meet the resource crisis in the world.
73.	India & Africa — Economic Space	2014	12.5	How does India see its place in the economic space of rising natural resources rich Africa?
74.	Sugar Mills in Southern States	2013	10	Do you agree that there is a growing trend of opening new sugar mills in southern states of India? Discuss with justification.
75.	Cotton Textile Industry — Decentralisation	2013	10	Analyse the factors for the highly decentralized cotton textile industry in India.
76.	Atomic Energy — Raw Material Availability	2013	12.5	With growing scarcity of fossil fuels, the atomic energy is gaining more and more significance in India. Discuss the availability of raw material required for the generation of atomic energy in India and in the world.
77.	Shale Oil & Gas in India	2013	12.5	India has substantial reserves of shale oil and gas, which can feed the needs of the country for quarter century. However, tapping of the resource does not appear to be high on the agenda. Discuss critically the availability and issues involved.
78.	Oil Refineries in India — Distribution	2004	10	Examine the distribution of oil refineries in India.
79.	Salt Extraction — Saurashtra & Tamil Nadu	2003	10	Account for the very high concentration of salt extraction industries in the Saurashtra and South Tamil Nadu Coast.
80.	Tea Plantations — Assam & West Bengal	2002	10	Give an account of the tea plantations of Assam and West Bengal and state the economic significance of these plantations.
81.	Deep-water Oil Exploration	1999	10	What is Deep-water Oil Exploration? What are its prospects in India?
82.	Indian Ocean — Importance for India	1999	10	What is the importance of Indian Ocean for India?
83.	Arid Zones of India	1993	10	Which parts of India are described as 'arid zones'? Comment on the characteristics and economic activities prevalent in these regions.
84.	Antarctica — Special Features	1991	10	Where is Antarctica and what is there so special about it? What do you know of any ban on exploration in Antarctica?
85.	Land Resources Mapping in India	1991	10	Examine the recent developments that have taken place in identifying and mapping land resources in India.
86.	Nuclear Energy Minerals in India	1989	10	Name the minerals used in generating nuclear energy and the places where they are found in India.
87.	Steel Plants in India — Location	1981	10	Mention the distribution of steel plants in India, with foreign collaboration or assistance, if any. What are the locational advantages enjoyed by each of these plant?
88.	Sea Exploration — Food, Minerals, Oil	1981	10	As the resources of land are getting depleted man is turning to sea for the supply of his needs. What are the prospects of sea exploration for obtaining our requirements of food, minerals and chemicals, oil and gas?

### MACRO TOPIC - GEOMORPHOLOGY – DRAINAGE SYSTEMS

#	Micro Topic	Year	Marks	Question
89.	Interlinking of Rivers	2020	15	The interlinking of rivers can provide viable solutions to the multi-dimensional inter-related problems of droughts, floods and interrupted navigation. Critically examine.
90.	Water Stress in India	2019	15	What is water stress? How and why does it differ regionally in India?
91	Groundwater & Rainwater Harvesting	2018	15	'The ideal solution of depleting ground water resources in India is water harvesting system.' How can it be made effective in urban areas?
92.	Indus Water Treaty	2016	12.5	Present an account of the Indus Water Treaty and examine its ecological, economic and political implications in the context of changing bilateral relations.
93.	Water Scarcity in India	2015	12.5	India is well endowed with fresh water resources. Critically examine why it still suffers from water scarcity.
94.	Western Ghats Rivers — No Delta	2013	10	There is no formation of deltas by rivers on the Western Ghats. Why?
95.	West Coast Rivers — No Delta	2006	10	Why do the rivers of west coast not form a delta?
96.	Peninsular Rivers — Characteristics	2003	10	Describe the major characteristics of the rivers of Peninsular India.
97.	Minor Irrigation Projects	1998	10	What constitutes a Minor Irrigation Project?
98.	Himalayan vs Peninsular Rivers	1995	10	Why have the rivers of the peninsular India well-defined rigid channels in sharp contrast to the Himalayan rivers?
99.	Drip Irrigation	1995	10	What is drip irrigation? Why is it considered the most efficient method of irrigation?
100.	Large vs Small River Valley Projects	1993	10	Give your assessment of the soundness of large river valley projects with high dams vis-a-vis smaller river valley projects.
101.	International Rivers through India	1980	10	Name the major international rivers flowing through India. What Countries/States are covered by the Ganga and the Godavari rivers on their course from their source to the sea?

### MACRO TOPIC - GEOMORPHOLOGY – EARTH & TECTONICS

#	Micro Topic	Year	Marks	Question
102.	Continental Drift & Plate Tectonics	2025	15	Discuss how the changes in shape and sizes of continents and ocean basins of the planet take place due to tectonic movements of the crustal masses.
103.	India as a Subcontinent	2021	10	Why is India considered a subcontinent? Elaborate on your answer.
104.	Mantle Plume & Plate Tectonics	2018	10	Define mantle plume and explain its role in plate tectonics.
105.	Origin & Evolution of Earth	2017	10	How does the Juno Mission of NASA help to understand the origin and evolution of the Earth?
106.	Continental Drift & Plate Tectonics	2013	15	What do you understand by the theory of continental drift? Discuss the prominent evidences in its support.

### MACRO TOPIC - GEOMORPHOLOGY – LANDFORMS

#	Micro Topic	Year	Marks	Question
107.	Glacial Landforms — Fjords	2023	10	How are the fjords formed? Why do they constitute some of the most picturesque areas of the world?

108.	Mountain Ranges & Weather	2021	15	Briefly mention the alignment of major mountain ranges of the world and explain their impact on local weather conditions, with examples.
109.	Mountain Ecosystems	2019	15	How can the mountain ecosystem be restored from the negative impact of development initiatives and tourism?
110.	Fold Mountains & Volcanoes	2014	12.5	Why are the world's fold mountain systems located along the margins of continents? Bring out the association between the global distribution of fold mountains and the earthquakes and volcanoes.
111.	Himalayan Glaciers & Climate Change	2014	12.5	Bring out the relationship between the shrinking Himalayan glaciers and the symptoms of climate change in the Indian sub-continent.
112.	Hot Deserts — Location & Causes	2013	12.5	Major hot deserts in northern hemisphere are located between 20°–30° N latitudes and on the western sides of the continents. Why?
113.	Indian Physiography — Aravalli	2004	10	Why are the Aravallis called a divide between Mewar and Marwar?
114.	Indian Physiography — Deccan Trap	1995	10	What do you understand by Deccan Trap? Describe its characteristics.
115.	Indian Physiography — Desert Areas	1985	10	Where do we find large desert areas in India? What steps have been taken by the Government for their development?
116.	Indian Physiography — Divisions	1984	10	Name the main physiographic divisions of India and give the salient features of each division.

### MACRO TOPIC - GEOMORPHOLOGY – OCEANS & ISLANDS

#	Micro Topic	Year	Marks	Question
117.	Ocean Currents & Fishing	2022	15	What are the forces that influence ocean currents? Describe their role in the fishing industry of the world.
118.	Ocean Currents & Marine Life	2019	15	How do ocean currents and water masses differ in their impacts on marine life and coastal environment? Give suitable examples.
119.	Coral Reefs & Global Warming	2019	10	Assess the impact of global warming on coral life system with examples.
120.	Oceanic Salinity	2017	15	Account for variations in oceanic salinity and discuss its multi-dimensional effects.
121.	Ocean Currents — Factors & Effects	2015	12.5	Explain the factors responsible for the origin of ocean currents. How do they influence regional climates, fishing and navigation?
122.	Indonesian & Philippine Archipelagos	2014	12.5	Explain the formation of thousands of islands in Indonesian and Philippines archipelagos.
123.	Andaman & Nicobar vs Lakshadweep	1998	10	How do the Andaman and Nicobar Islands and the Lakshadweep differ in the geological evolution and topographical conditions?

### MACRO TOPIC - GEOMORPHOLOGY – ROCKS, SOILS & MINERALS

#	Micro Topic	Year	Marks	Question
124.	Primary Rocks — Types & Characteristics	2022	10	Describe the characteristics and types of primary rocks.
125.	Mineral Oil — Distribution & Implications	2021	15	Discuss the multi-dimensional implications of the uneven distribution of mineral oil in the world.

126.	Soil Erosion & Conservation	2005	10	Causes of soil erosion and its control in India.
127.	Soil Types — Black & Red Soils	1994	10	Why are the soils of Malwa in Madhya Pradesh black while those of Karnataka red? Discuss the relative fertility of these soils.
128.	Soil Conservation — Policy	1990	10	What is the need for soil conservation? What are the major measures taken by the Government towards conserving soil in India?
129.	Soil Types — Black Soils	1988	10	What are black soils? Give their distribution in India and explain their uses and problems.
130.	Soil Types — Laterite Soils	1986	10	What are laterite soils? Where do we find these types of soil? Explain their problem and most suitable use.
131.	Soil Erosion — Types & Control	1984	10	Soil erosion is one of the most crucial problems in India. Describe the various kinds of soil erosion and steps which may be taken for the protection of land and soil.
132.	Soil Types — Distribution in India	1983	15	Describe the various types of soil and their distribution in India.

### MACRO TOPIC - GEOPHYSICAL PHENOMENA

#	Micro Topic	Year	Marks	Question
133.	Tsunamis — Formation & Consequences	2025	10	What are Tsunamis? How and where are they formed? What are their consequences? Explain with examples.
134.	Climate Change & Island Nations — Sea Level Rise	2025	10	How are climate change and the sea level rise affecting the very existence of many island nations? Discuss with examples.
135.	Volcanic Eruptions 2021 — Regional Impact	2021	10	Mention the global occurrence of volcanic eruptions in 2021 and their impact on the regional environment.
136.	Landslides — Himalayas vs Western Ghats	2021	10	Differentiate the causes of landslides in the Himalayan region and the Western Ghats.
137.	Landslides — Himalayas vs Western Ghats	2013	10	Bring out the causes for more frequent occurrence of landslides in the Himalayas than in the Western Ghats.
138.	Urban Flooding in India	2020	15	Account for the huge flooding of million cities in India including the smart ones like Hyderabad and Pune. Suggest lasting remedial measures.
139.	Floods as Irrigation & Navigation Resource	2017	15	In what way can floods be converted into a sustainable source of irrigation and all-weather inland navigation in India?
140.	Landslides — Himalayas — Causes & Mitigation	2016	12.5	'The Himalayas are highly prone to landslides.' Discuss the causes and suggest suitable measures of mitigation.
141.	Major Cities & Flood Vulnerability	2016	12.5	Major cities of India are becoming more vulnerable to flood conditions. Discuss.
142.	Micro-Watershed Development	2016	12.5	In what way micro-watershed Development projects help in water conservation in drought prone and semi-arid regions of India.
143.	Water Conservation — Drought Prone Areas	1989	12.5	Water-conservation has assumed an urgency particularly in drought prone areas. What are the methods available for controlling water evaporation from large surfaces and improving the water-holding capacity of the soil?

### MACRO TOPIC - HUMAN GEOGRAPHY

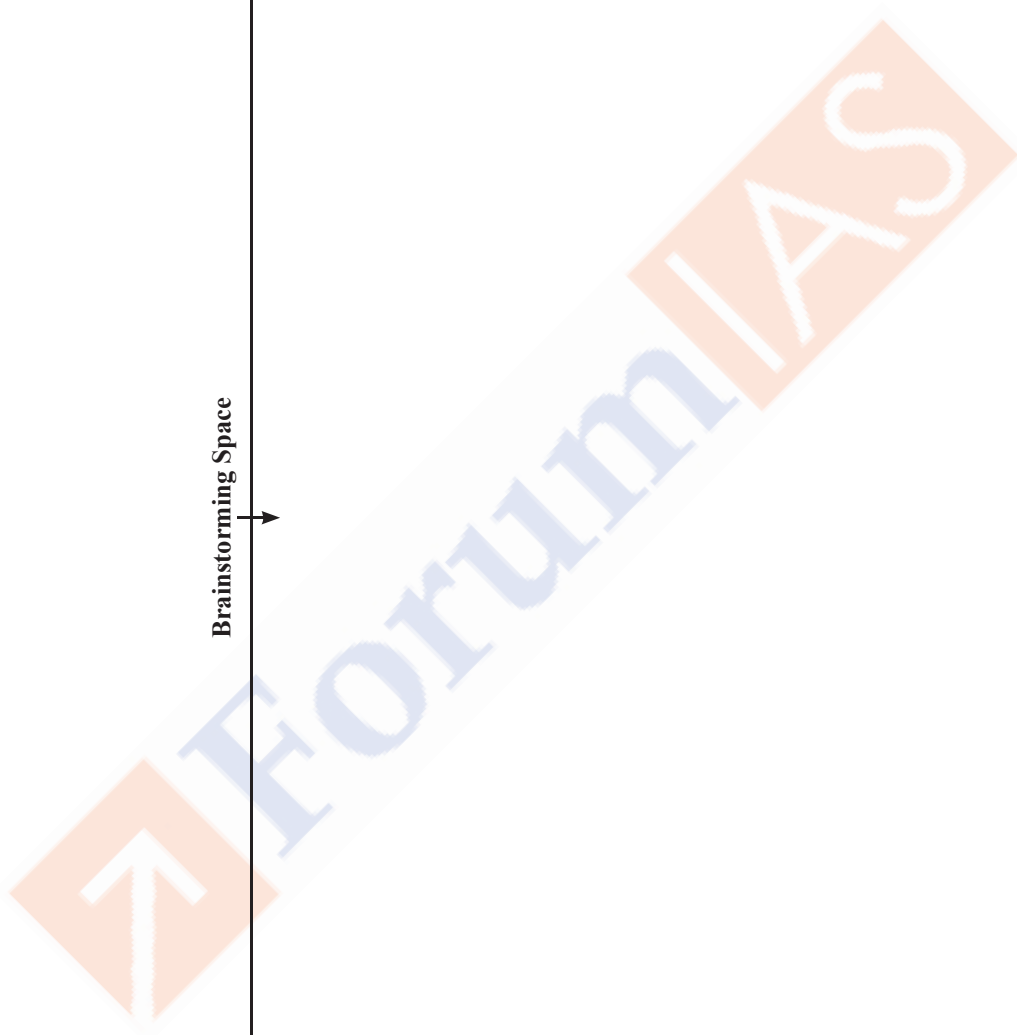
#	Micro Topic	Year	Marks	Question
144.	Human Development vs Economic Development	2023	15	Why did human development fail to keep pace with economic development in India?
145.	IT Hub Cities — Employment & Problems	2017	15	'The growth of cities as I.T. hubs has opened up new avenues of employment, but has also created new problems.' Substantiate this statement with examples.
146.	Land & Water Management — Human Misery	2016	12.5	The effective management of land and water resources will drastically reduce the human miseries. Explain.
147.	Air Pollution — Delhi vs Mumbai & Kolkata	2015	12.5	Mumbai, Delhi and Kolkata are the three Mega cities of the country but the air pollution is much more serious problem in Delhi as compared to the other two. Why is this so?
148.	Ecological Carrying Capacity — J&K, HP, Uttarakhand	2015	12.5	The states of Jammu and Kashmir, Himachal Pradesh and Uttarakhand are reaching the limits of ecological carrying capacity due to tourism. Critically evaluate.
149.	Population Distribution — Ganga River Basin	2025	15	Discuss the distribution and density of population in the Ganga River Basin with special reference to land, soil and water resources.
150.	Demographic Winter	2024	10	What is the concept of a 'demographic winter'? Is the world moving towards such a situation? Elaborate.
151.	Population Distribution & Density — India	1991	15	Explain the factors affecting the distribution of population in India, bringing out the variation in density over space. Account for the varied environmental problems resulting from widespread deforestation in both Aravalli and Himalayan regions.
152.	Population Distribution — India	1991	10	Explain the factors affecting the distribution of population in India, bringing out the variation in density over space.
153.	Wind Energy — India	2022	10	Examine the potential of wind energy in India and explain the reasons for their limited spatial spread.

### MACRO TOPIC - VEGETATION & ECOLOGY

#	Micro Topic	Year	Marks	Question
154.	Natural Vegetation Diversity & Wildlife Sanctuaries	2021	15	Identify and discuss the factors responsible for diversity of natural vegetation in India. Assess the significance of wildlife sanctuaries in rain forests regions of India.
155.	Forest Resources & Climate Change	2020	15	Examine the status of forest resources of India and its resultant impact on climate change.
156.	Mangroves — Depletion & Coastal Ecology	2019	10	Discuss the causes of depletion of mangroves and explain their importance in maintaining coastal ecology.
157.	Eco-Tourism	2005	10	What is eco-tourism? How could it be promoted in India?
158.	Mangroves in India — Distribution & Characteristics	1996	10	Where do mangrove forests occur in India? Describe their main characteristics.
159.	Environmental Policy — India	1995	10	What policy has the Government of India adopted in recent years to protect our environment, control pollution and maintain ecological balance? State briefly.

**Q.1)** What is sea surface temperature rise? How does it affect the formation of tropical cyclones? (10 Marks, 150 Words) [2024]

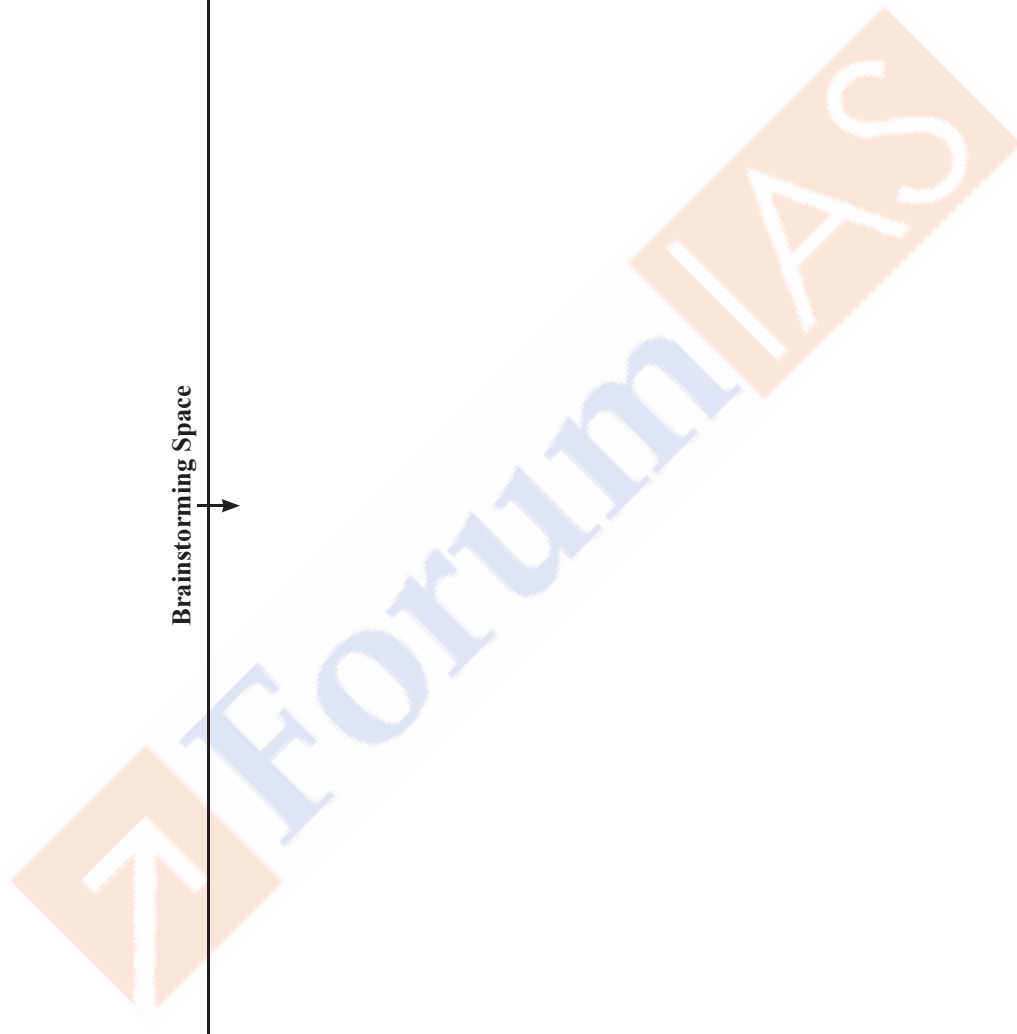
Brainstorming Space



Q.2) What is the phenomenon of 'cloudbursts'? Explain.

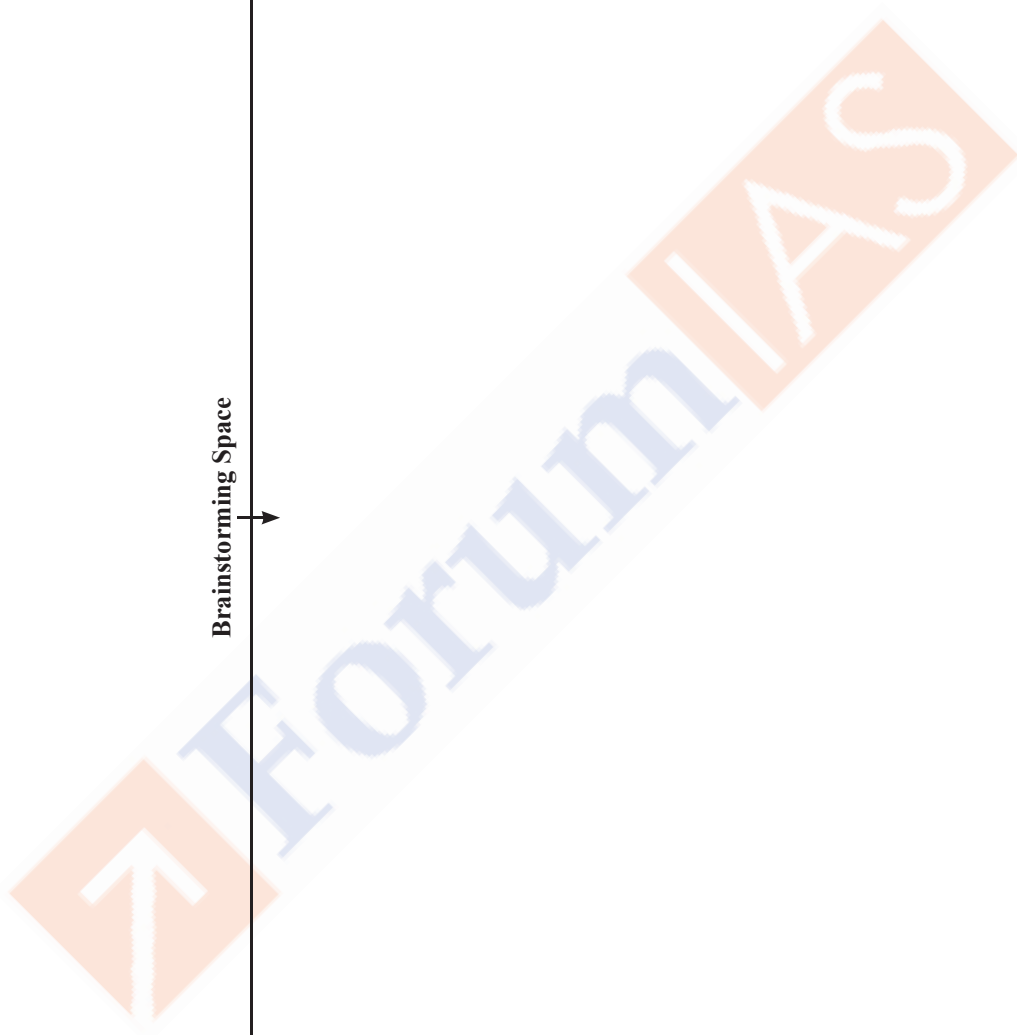
(10 Marks, 150 Words) [2024]

Brainstorming Space



Q.3) What are aurora australis and aurora borealis? How are these triggered?  
(10 Marks, 150 Words) [2024]

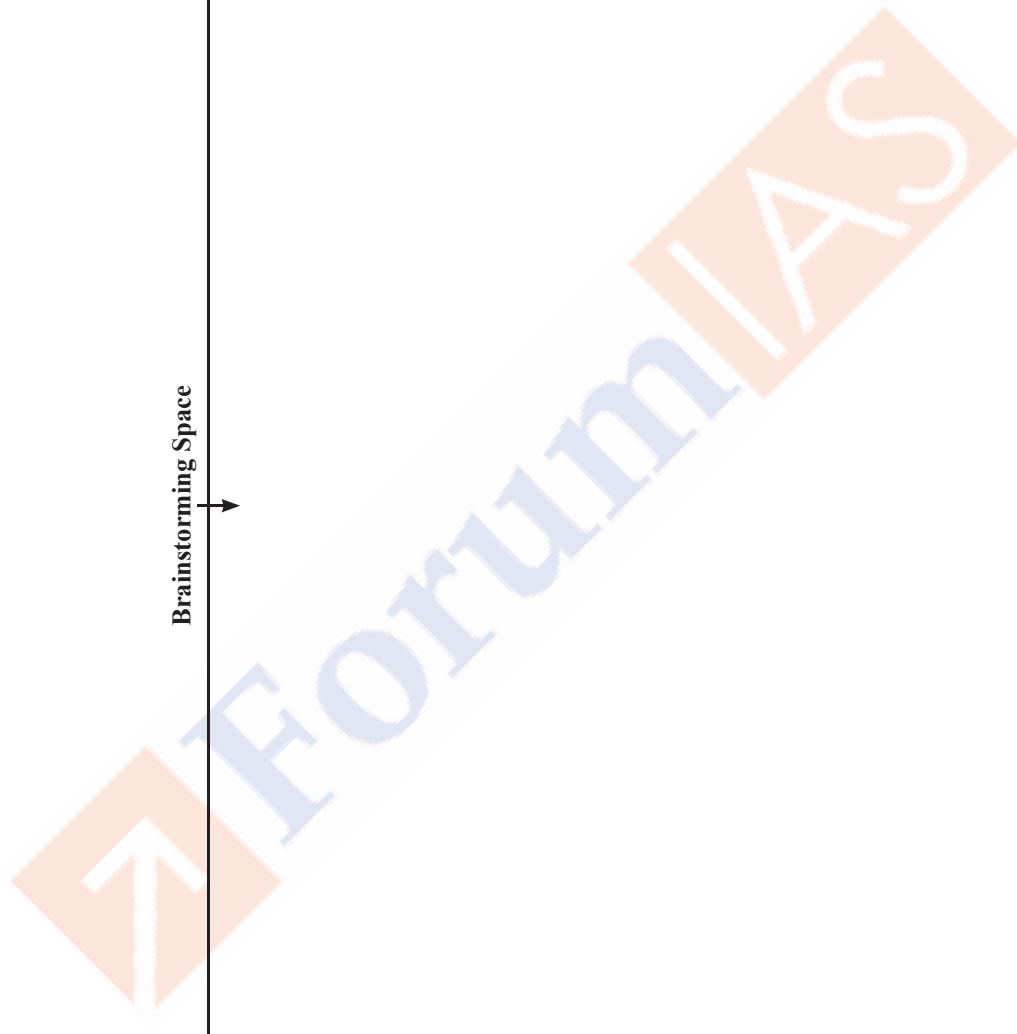
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**Q.4)** Discuss the meaning of colour-coded weather warnings for cyclone prone areas given by India Meteorological Department.

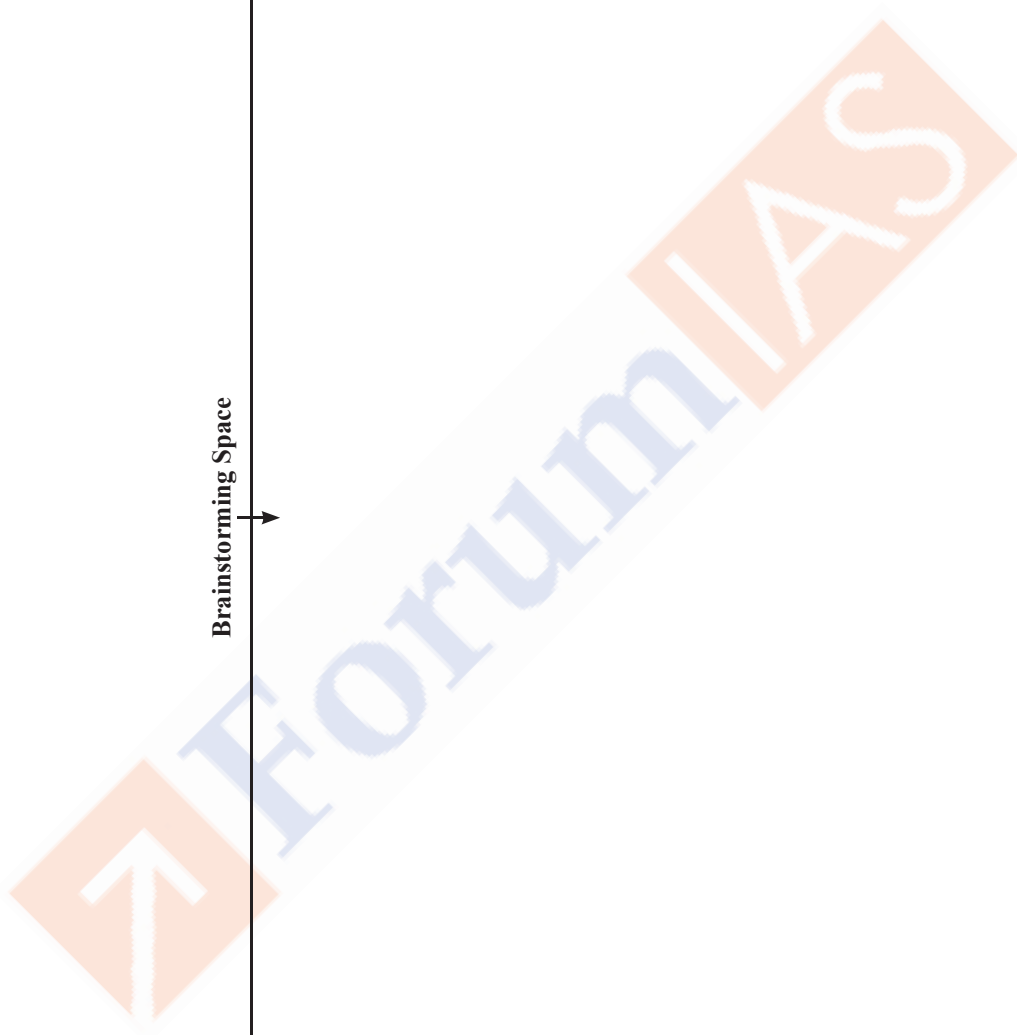
(10 Marks, 150 Words) [2022]

Brainstorming Space



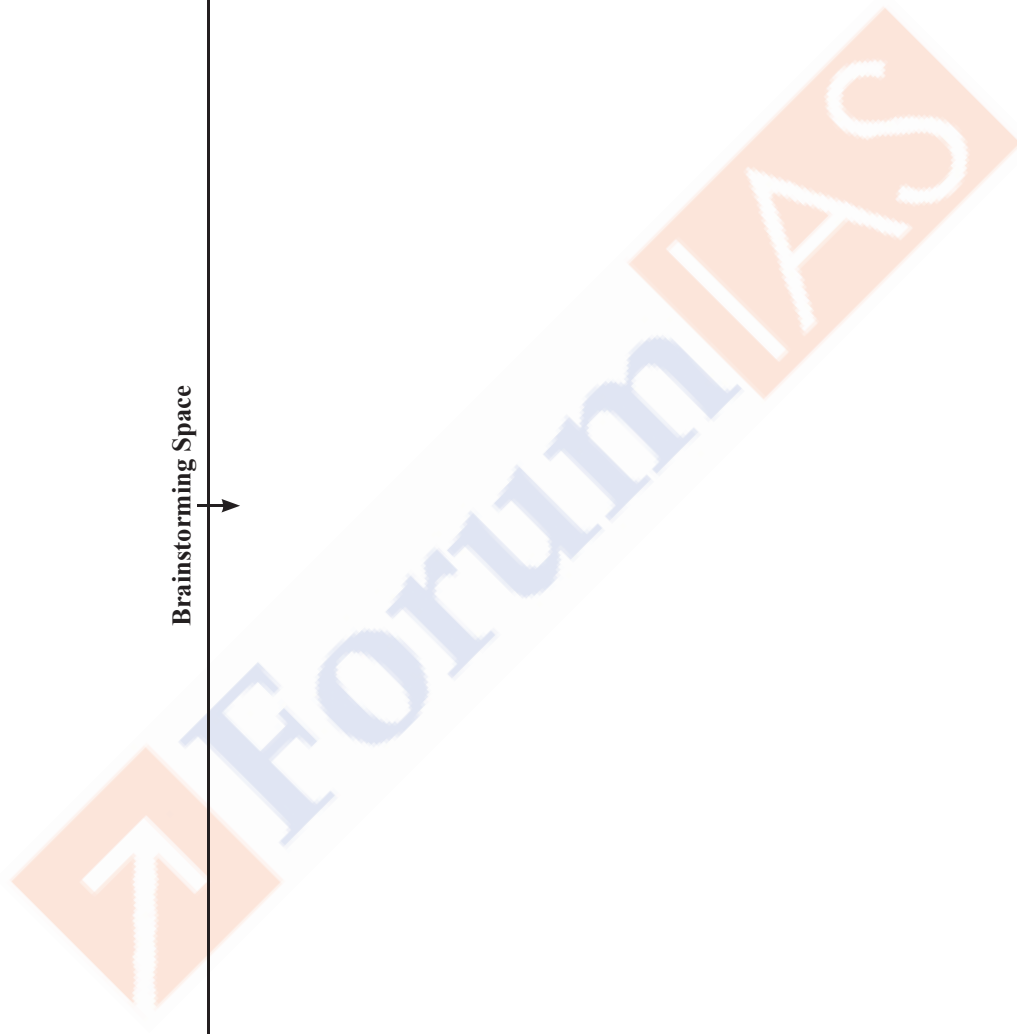
Q.5) Troposphere is a very significant atmosphere layer that determines weather processes. How? (15 Marks, 250 Words) [2022]

Brainstorming Space



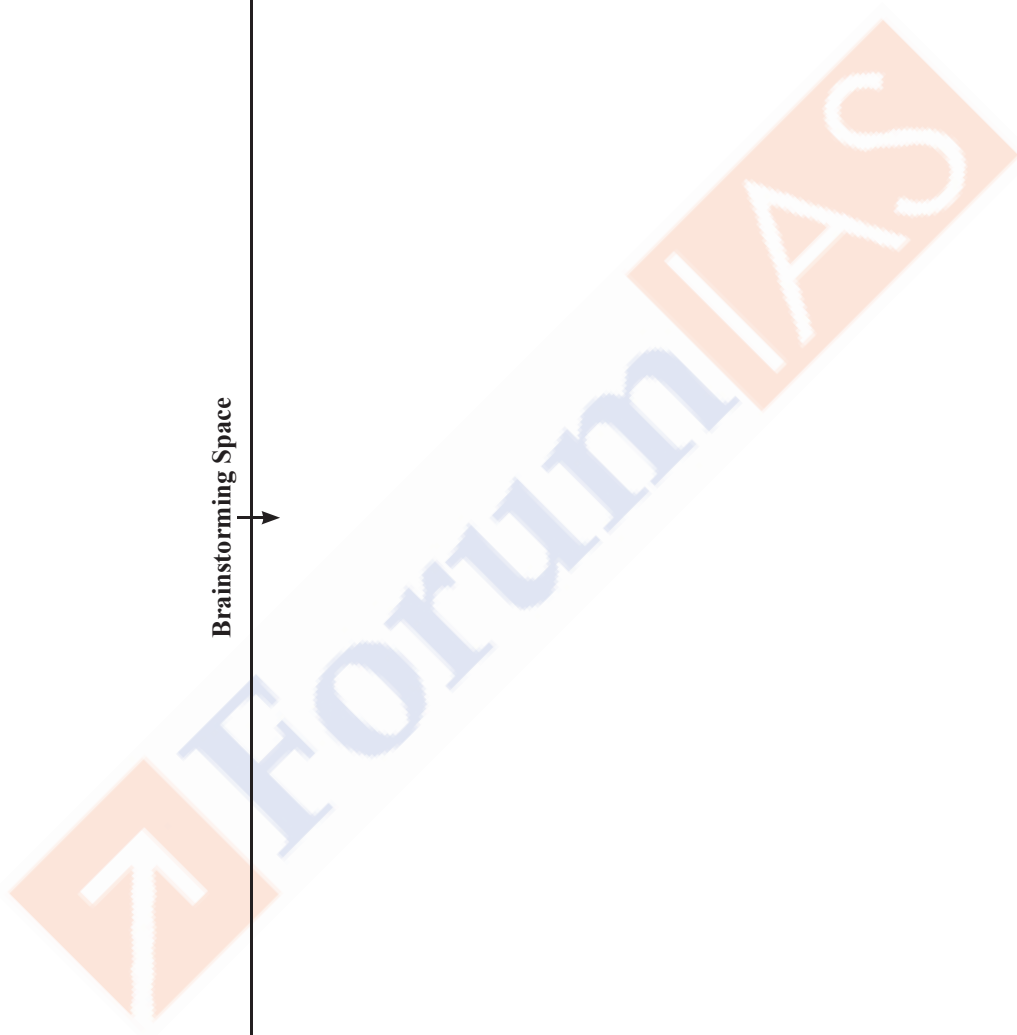
**Q.6)** How does the melting of the Arctic ice and glaciers of the Antarctic differently affect the weather patterns and human activities on the Earth? Explain. (15 Marks, 250 Words) [2021]

Brainstorming Space



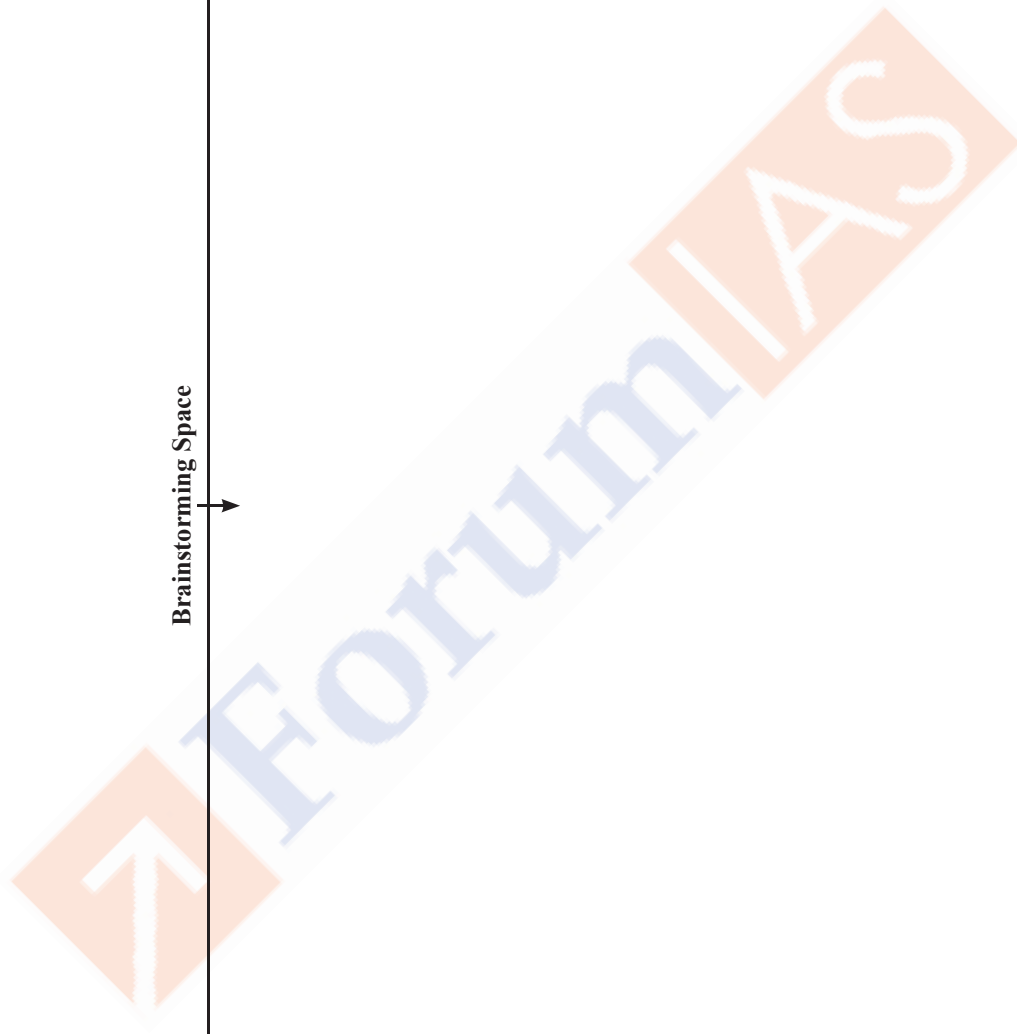
**Q.7)** How will the melting of Himalayan glaciers have a far-reaching impact on the water resources of India? (10 Marks, 150 Words) [2021]

Brainstorming Space



**Q.8)** The process of desertification does not have climate boundaries. Justify with examples. (10 Marks, 150 Words) [2020]

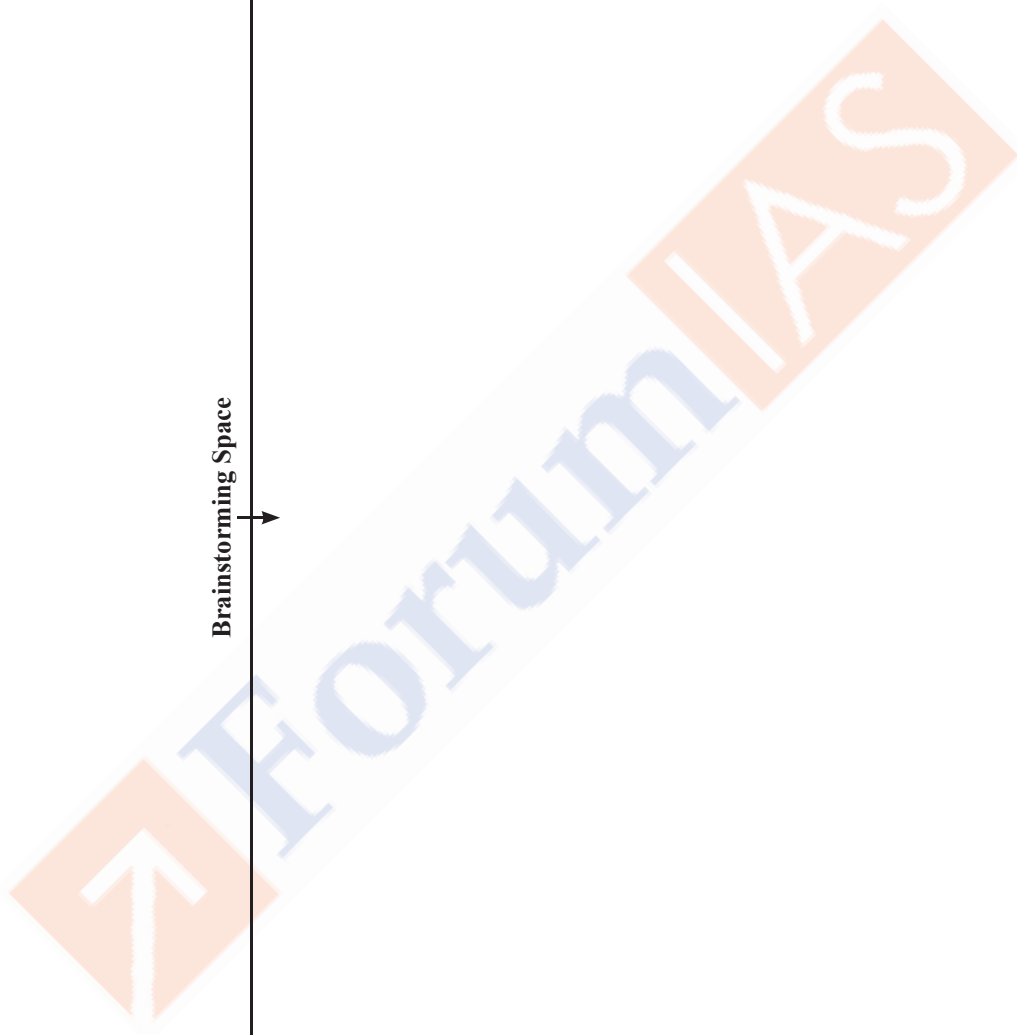
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**Q.9)** Discuss the geophysical characteristics of Circum-Pacific Zone.

(10 Marks, 150 Words) [2020]

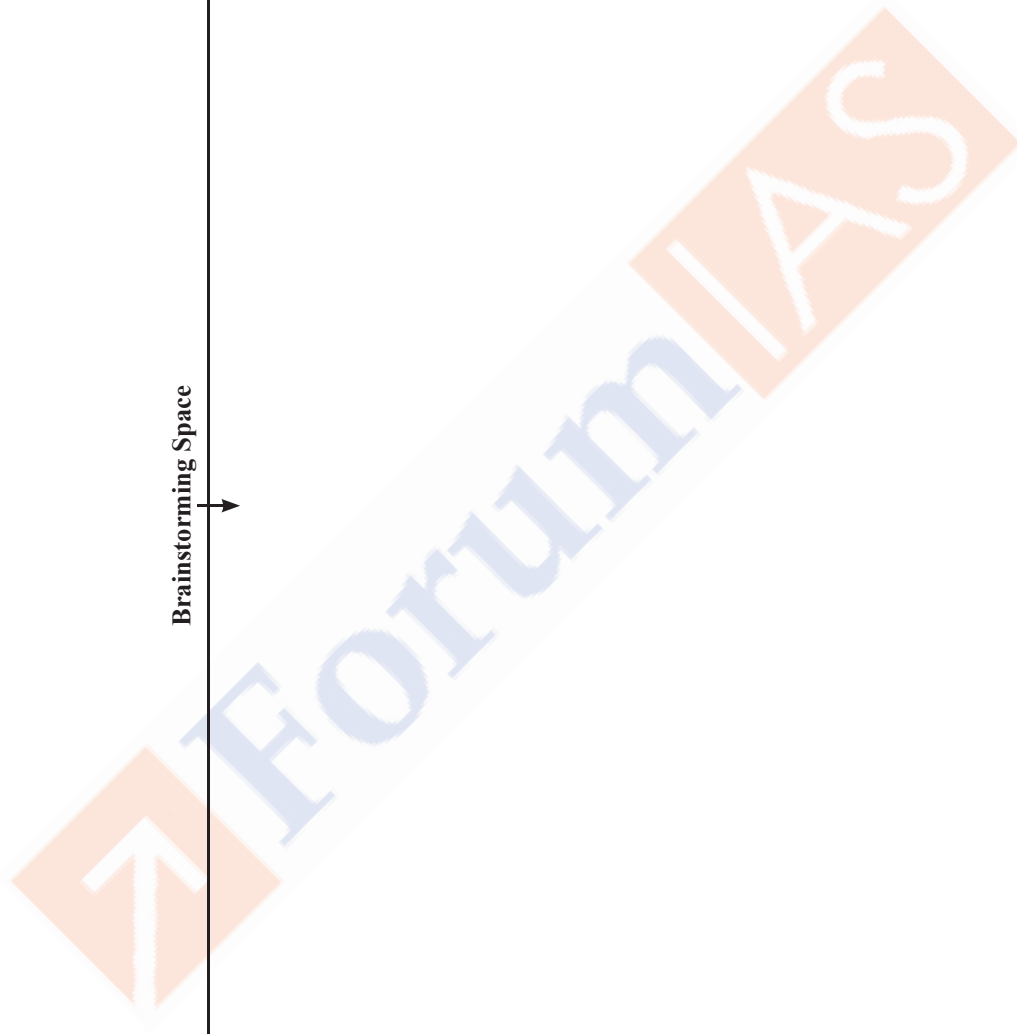
Brainstorming Space



**Q.10)** How does the cryosphere affect global climate?

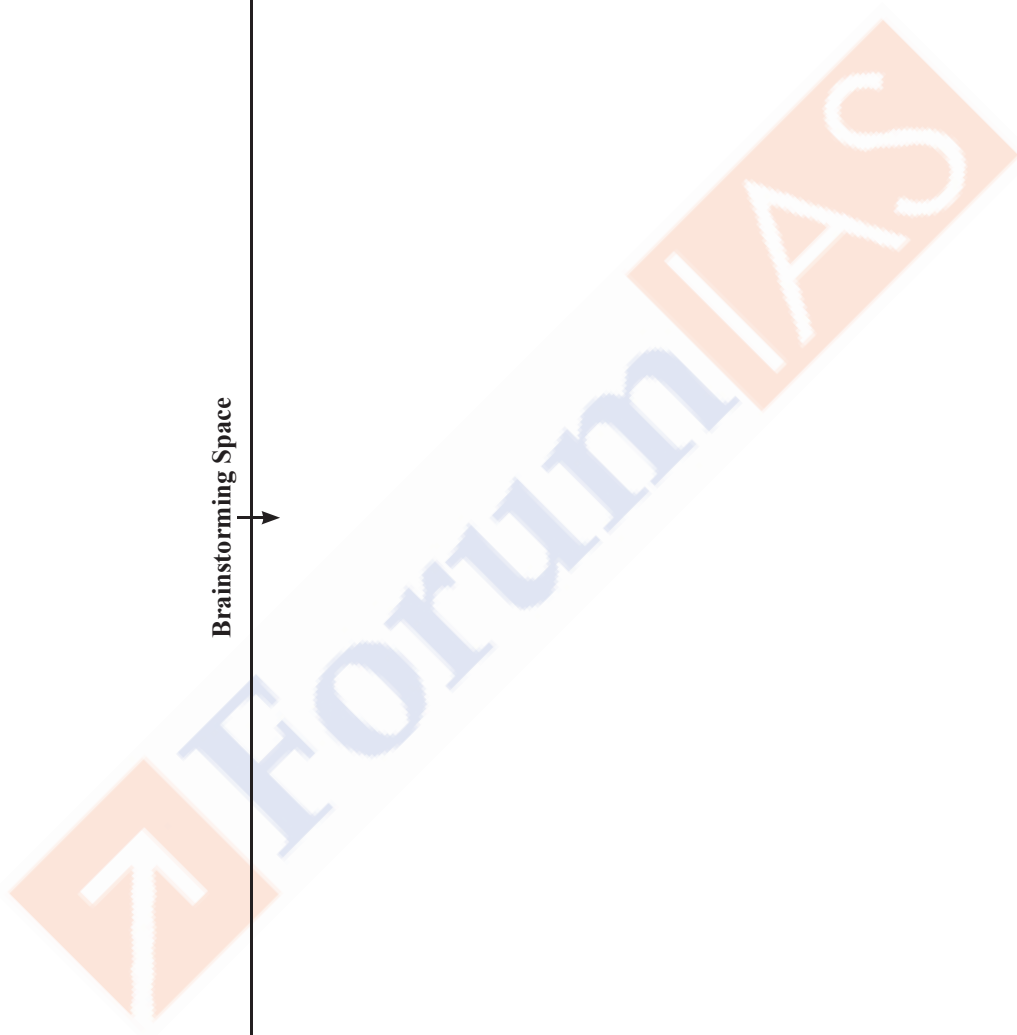
(10 Marks, 150 Words) [2017]

Brainstorming Space



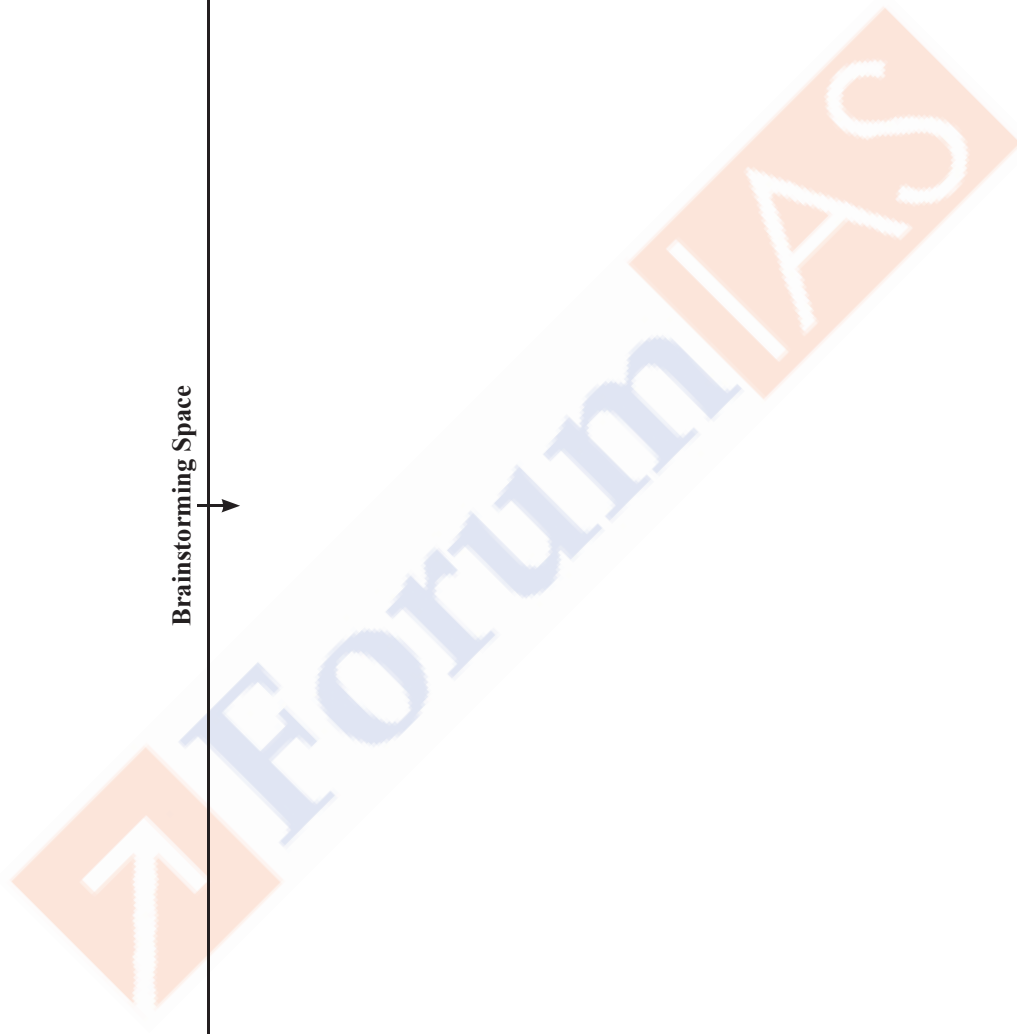
**Q.11)** What characteristics can be assigned to monsoon climate that succeeds in feeding more than 50 percent of the world population residing in Monsoon Asia? (10 Marks, 150 Words) [2017]

Brainstorming Space



**Q.12)** Discuss the concept of air mass and explain its role in macro-climatic changes. (12.5 Marks, 200 Words) [2016]

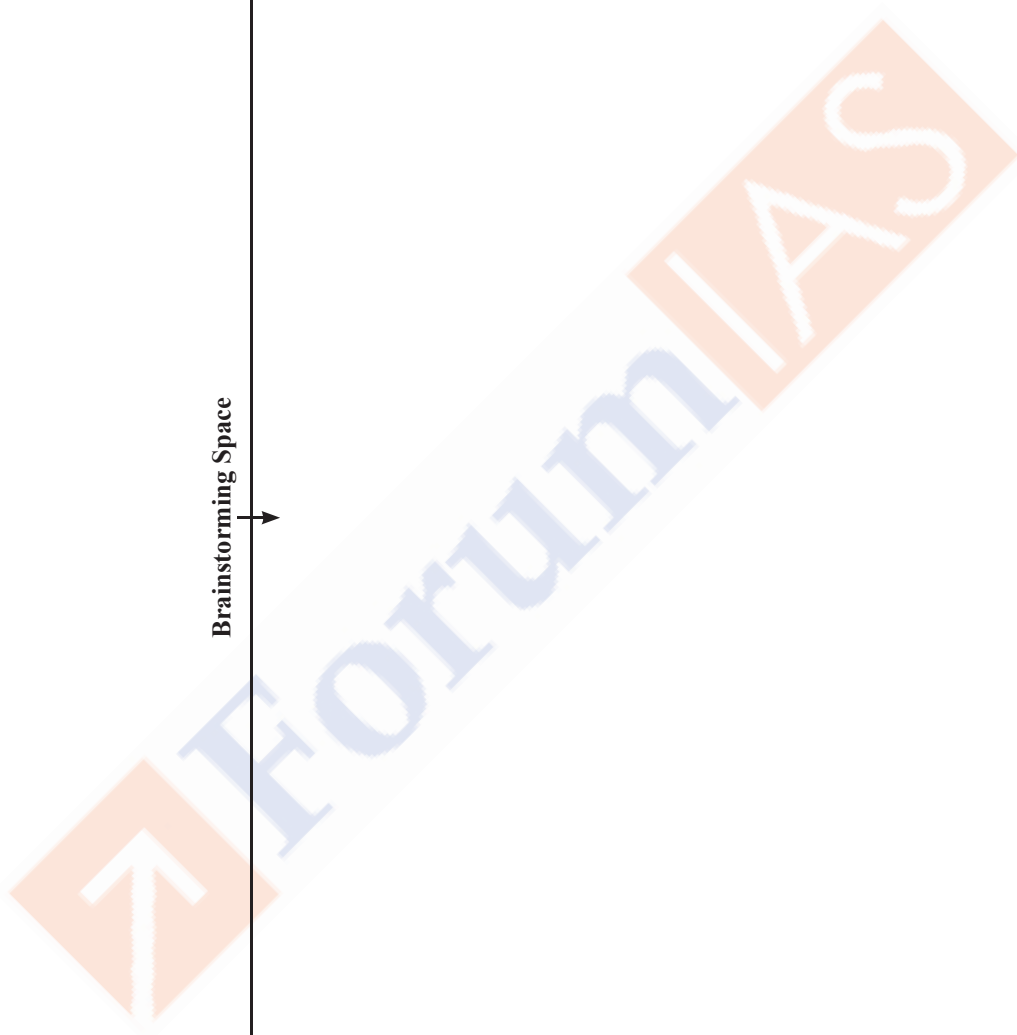
Brainstorming Space



**Q.13)** How far do you agree that the behaviour of the Indian monsoon has been changing due to humanizing landscape? Discuss.

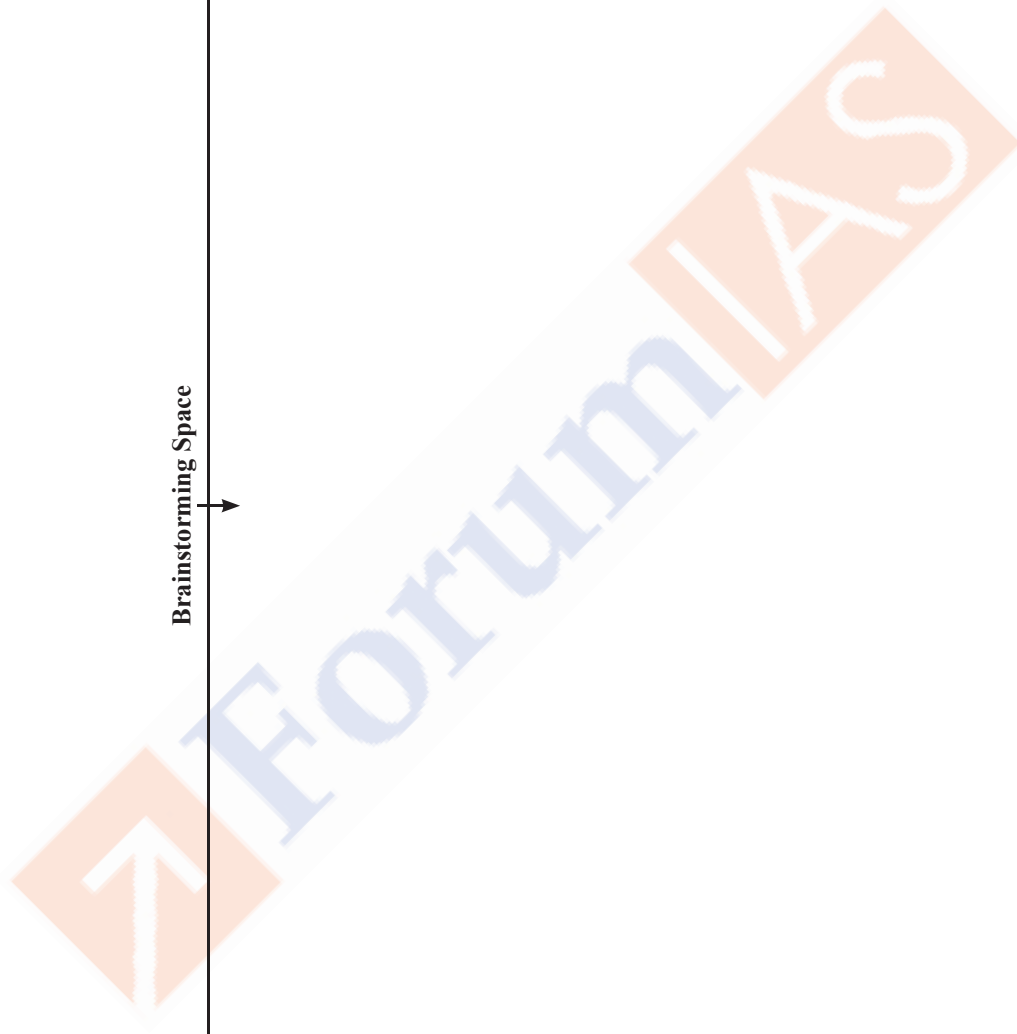
(12.5 Marks, 200 Words) [2015]

Brainstorming Space



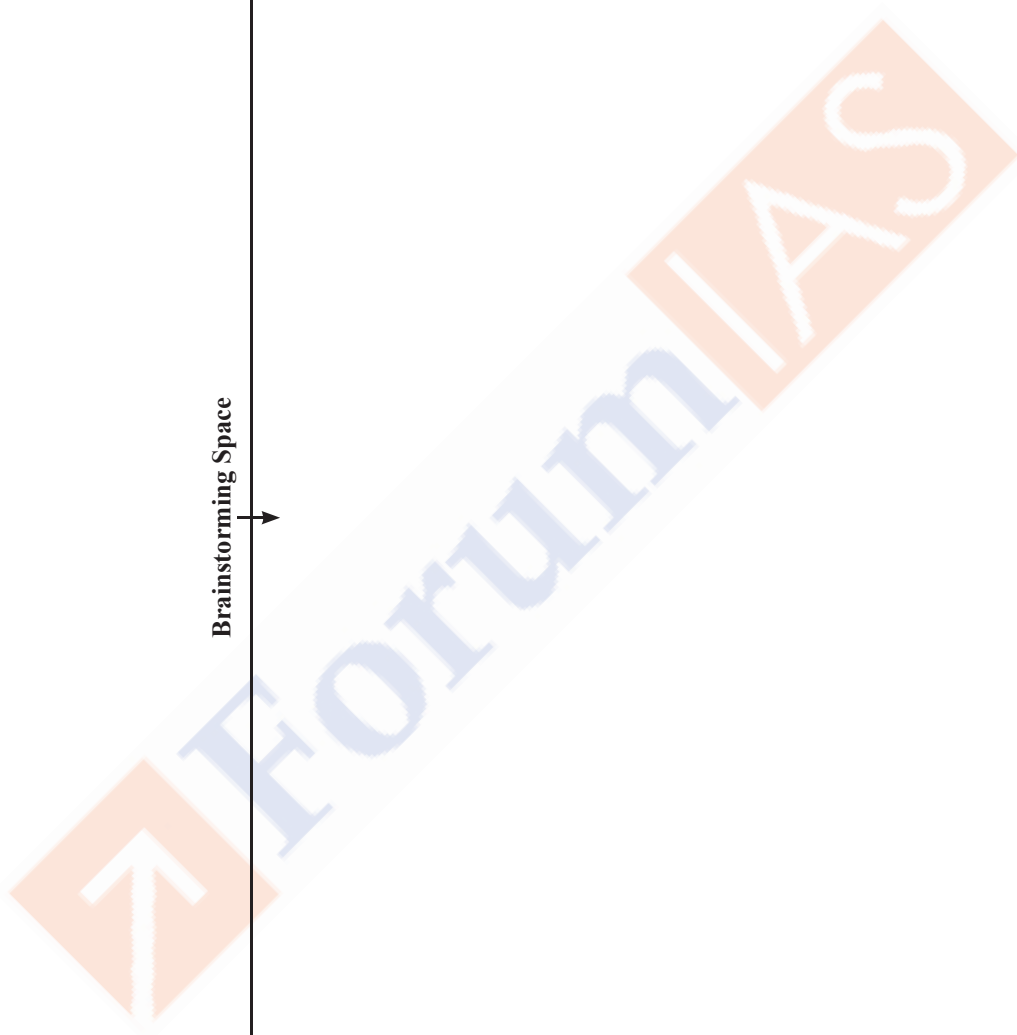
**Q.14)** Most of the unusual climatic happenings are explained as an outcome of the El-Nino effect. Do you agree? ( 12.5 Marks, 200 Words) [2014]

Brainstorming Space



**Q.15)** Tropical cyclones are largely confined to South China Sea, Bay of Bengal and Gulf of Mexico. Why? (12.5 Marks, 200 Words) [2014]

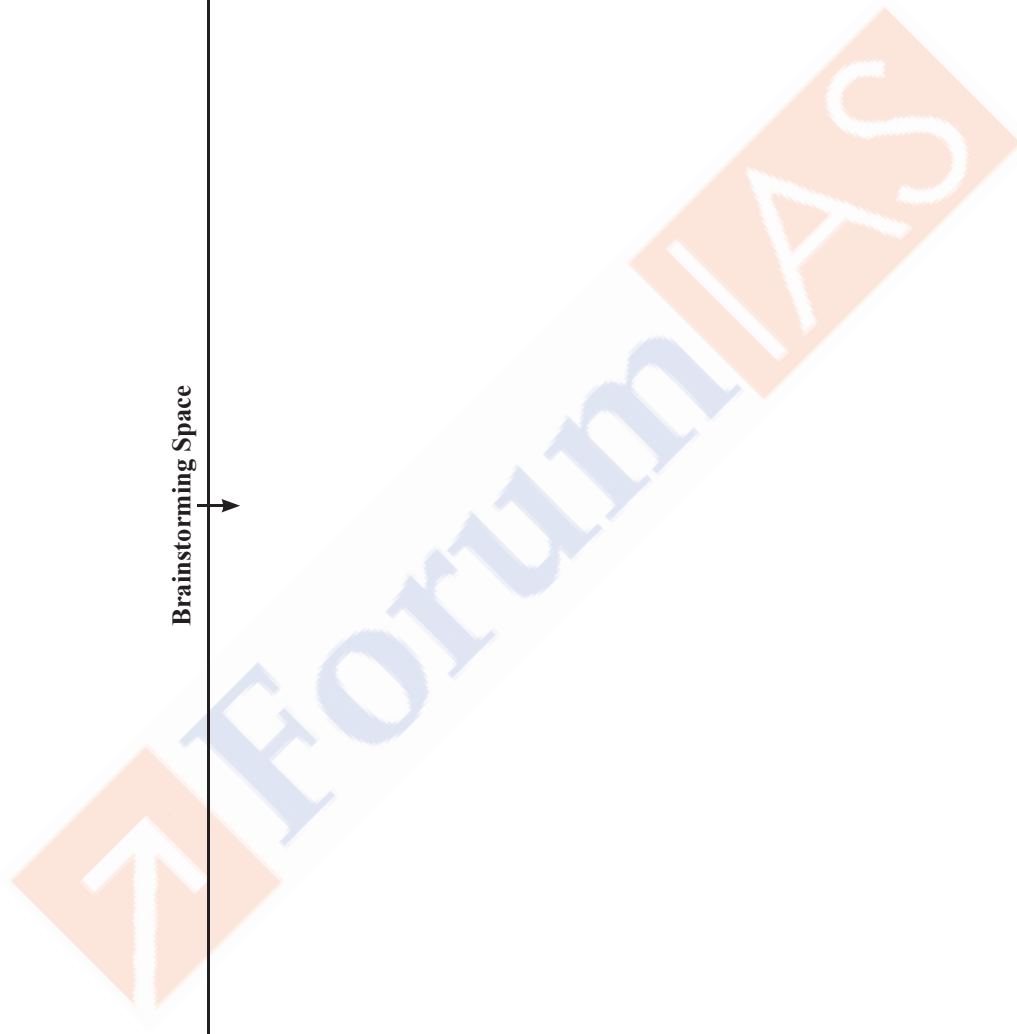
Brainstorming Space



**Q.16)** The recent cyclone on the east coast of India was called 'Phailin'. How are the tropical cyclones named across the world? Elaborate.

(12.5 Marks, 200 Words) [2015]

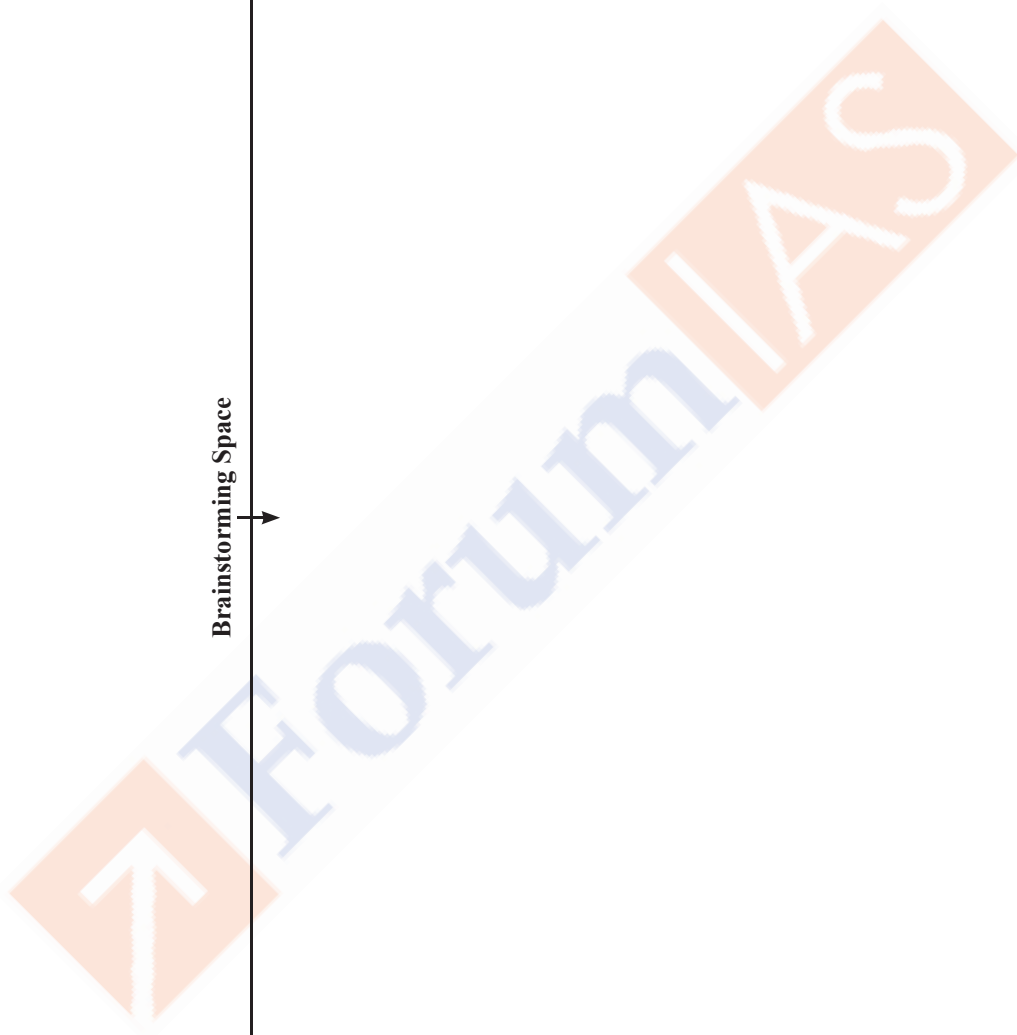
Brainstorming Space



**Q.17)** The winter rains in North India are largely related to Jet Streams and Western Disturbances. Bring about the relationship.

(10 Marks, 150 Words) [2008]

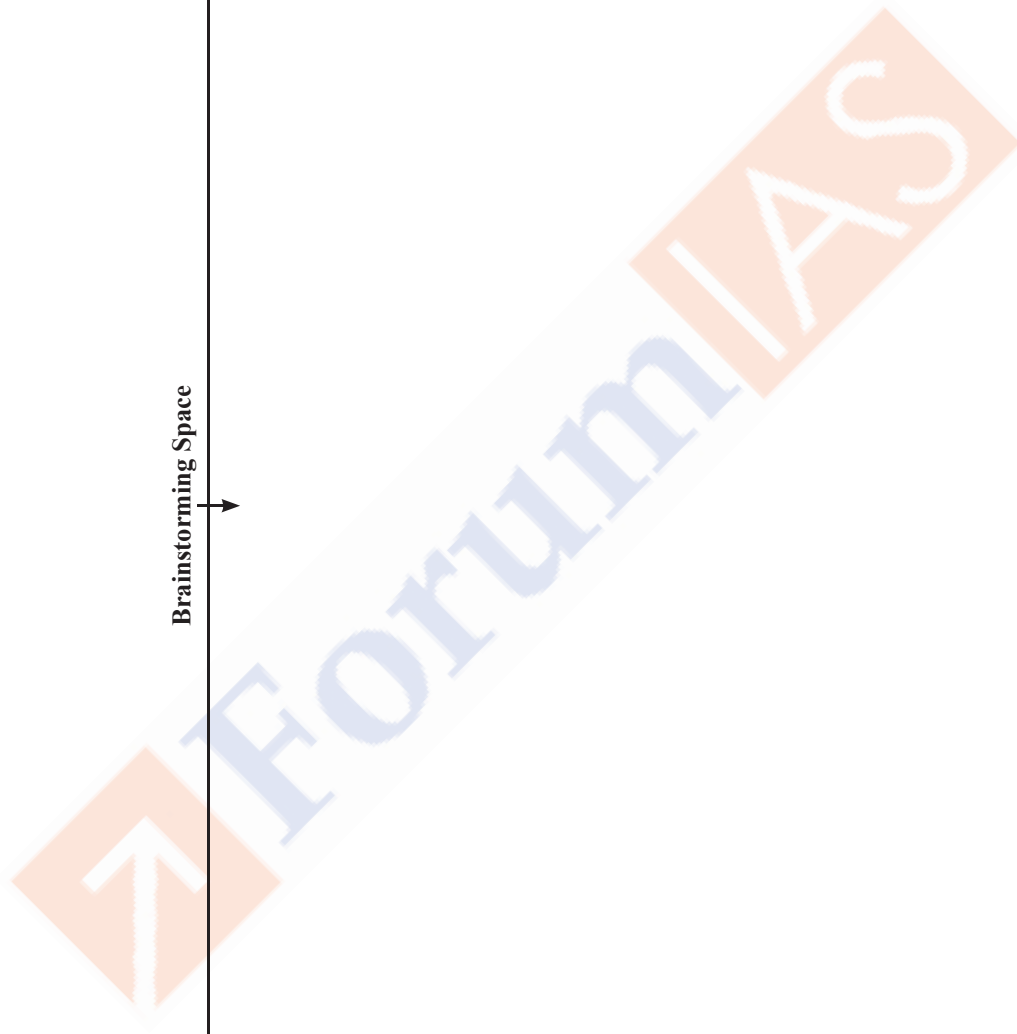
Brainstorming Space



**Q.18)** Explain how the Himalayan and the Tibetan highlands play an important role in the development of the South West monsoon.

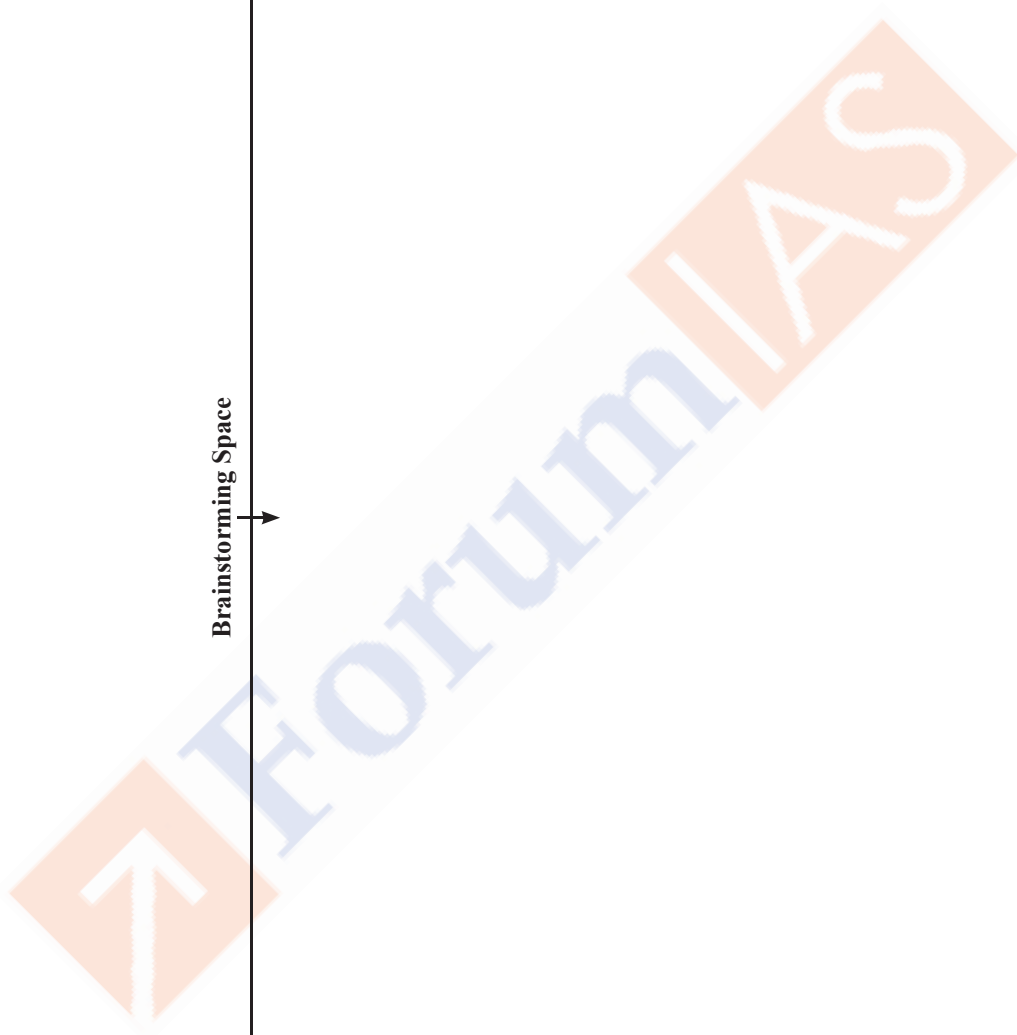
(10 Marks, 150 Words) [2007]

Brainstorming Space



**Q.19)** Discuss the distribution of winds and rainfall over India in the summer monsoon season. (10 Marks, 150 Words) [2002]

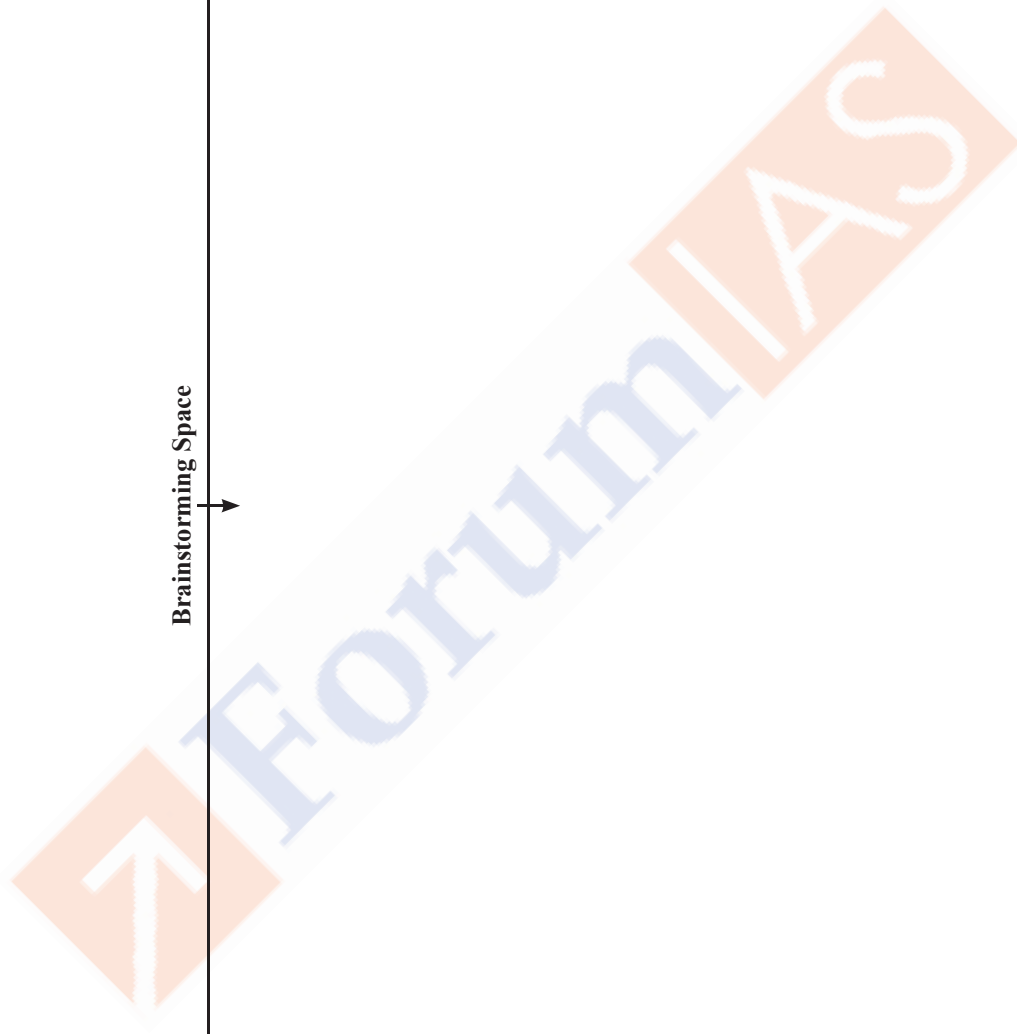
Brainstorming Space



Q.20) Explain the causes of the Indian Monsoon.

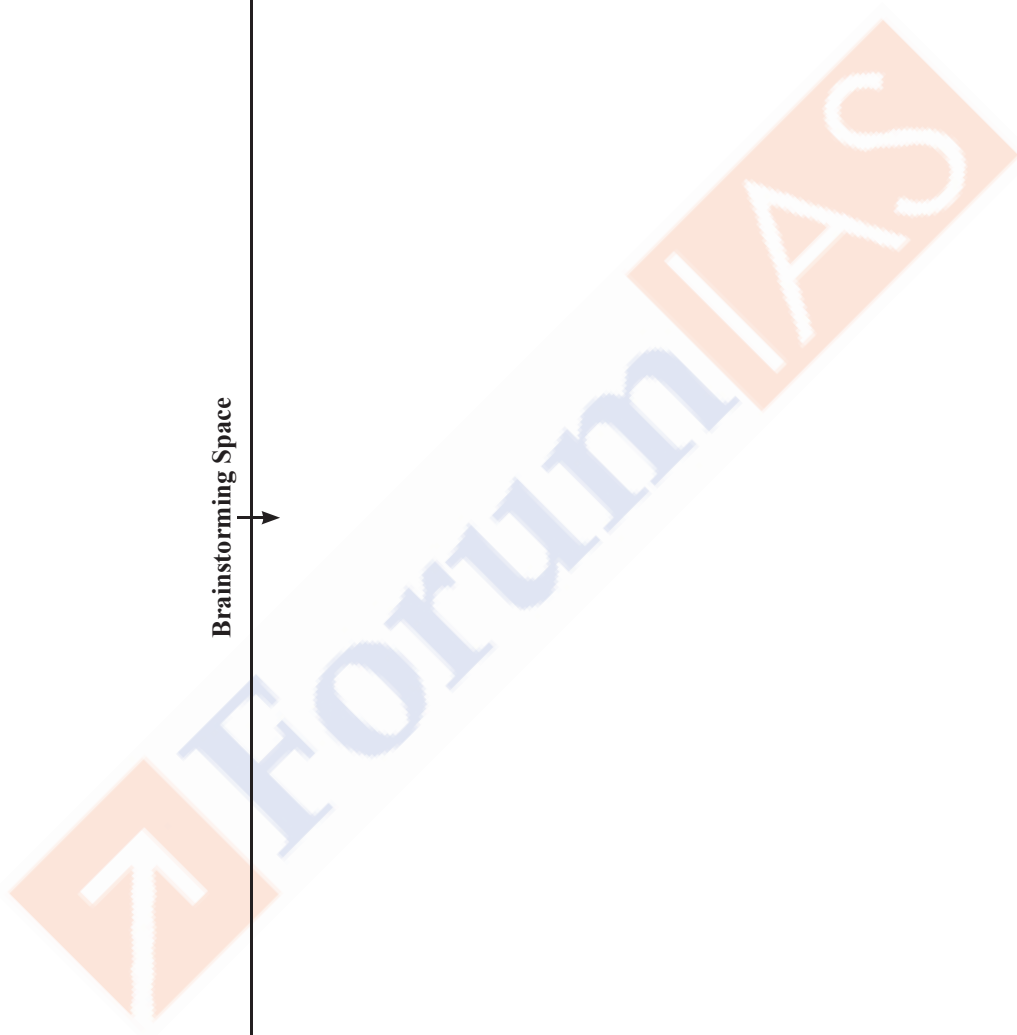
(10 Marks, 150 Words) [2001]

Brainstorming Space



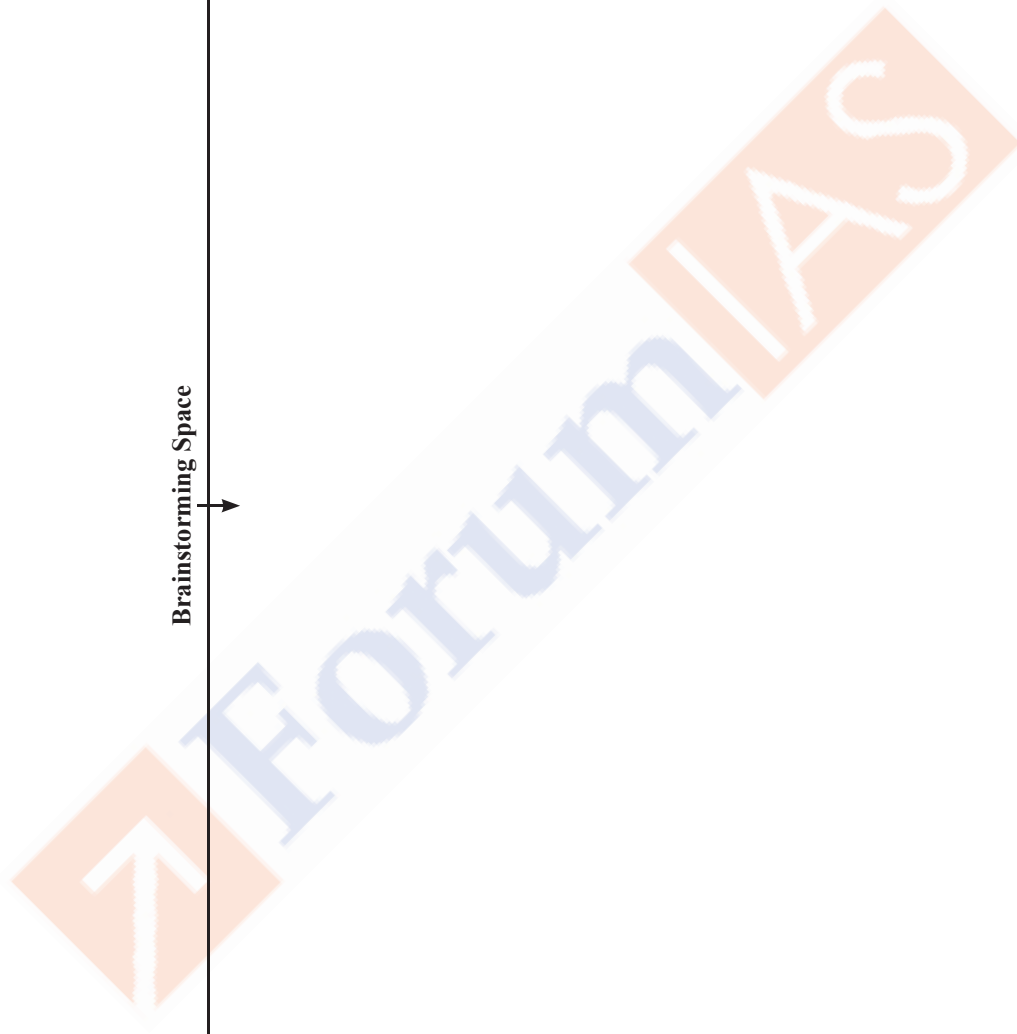
Q.21) Discuss the origin of Monsoon in India. (10 Marks, 150 Words) [1997]

Brainstorming Space



Q.22) What is 'intensity of rainfall'? Discuss its importance to Indian farmers. (10 Marks, 150 Words) [1995]

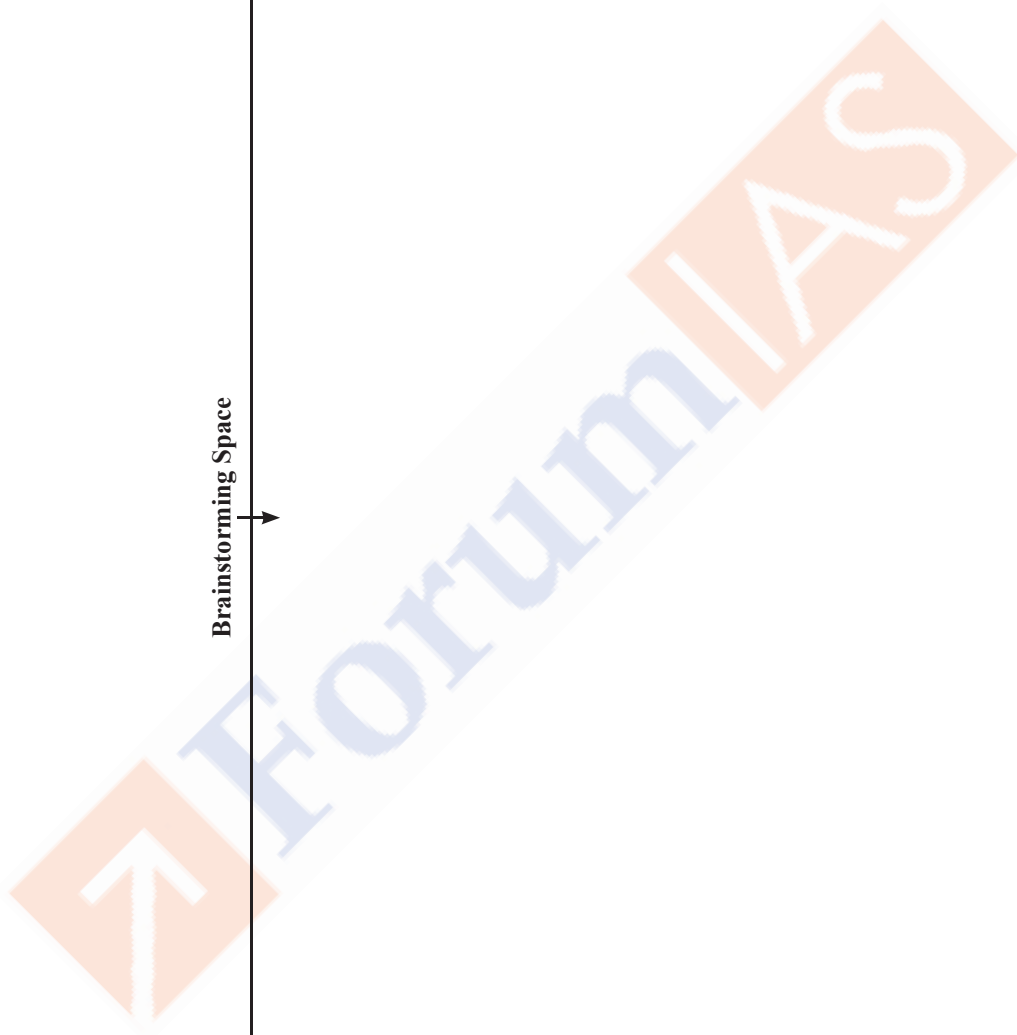
Brainstorming Space



**Q.23)** Which part of India receives more rainfall from the northeast monsoon than from the southwest monsoon? Explain why it is so.

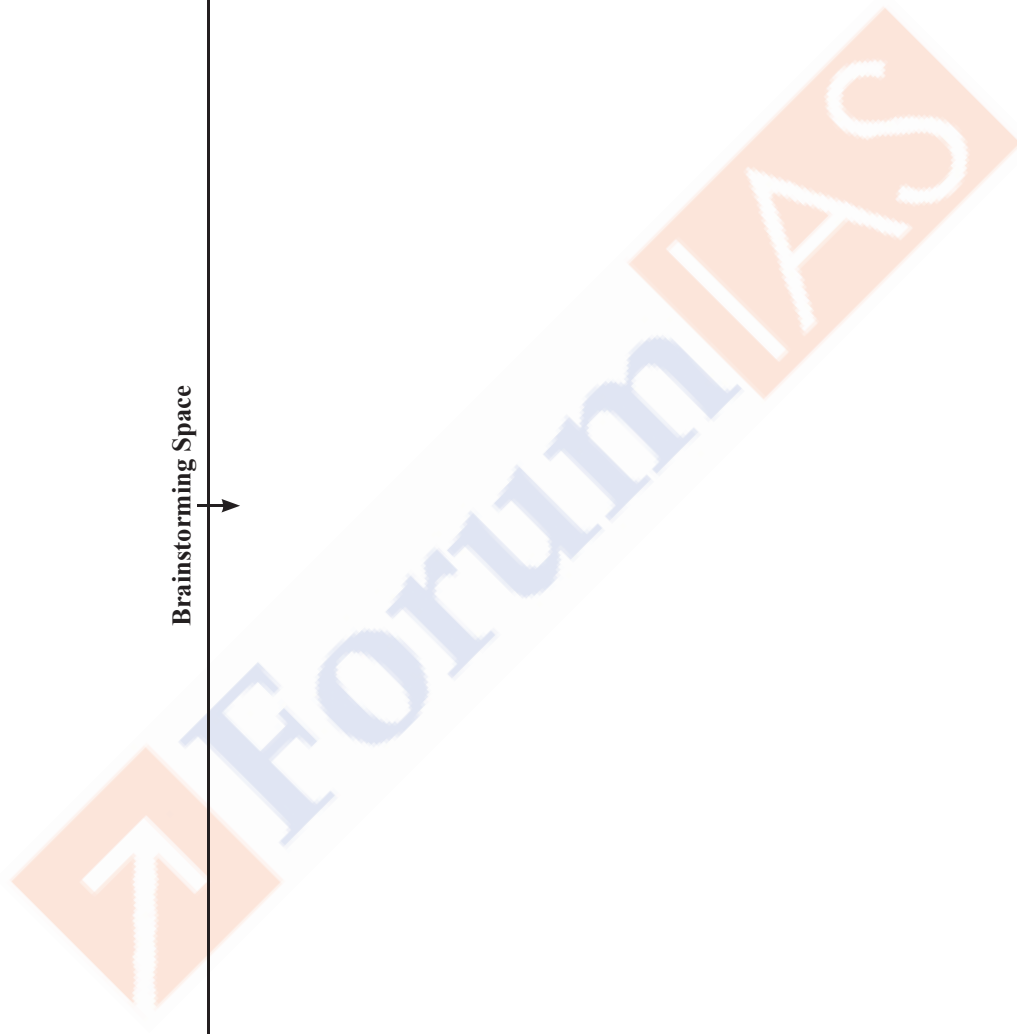
(10 Marks, 150 Words) [1994]

Brainstorming Space



Q.24) What is the basis of monsoon forecasts now prepared by the Indian Meteorological Department, which have been reasonably correct for the last three successive years? (15 Marks, 250 Words) [1991]

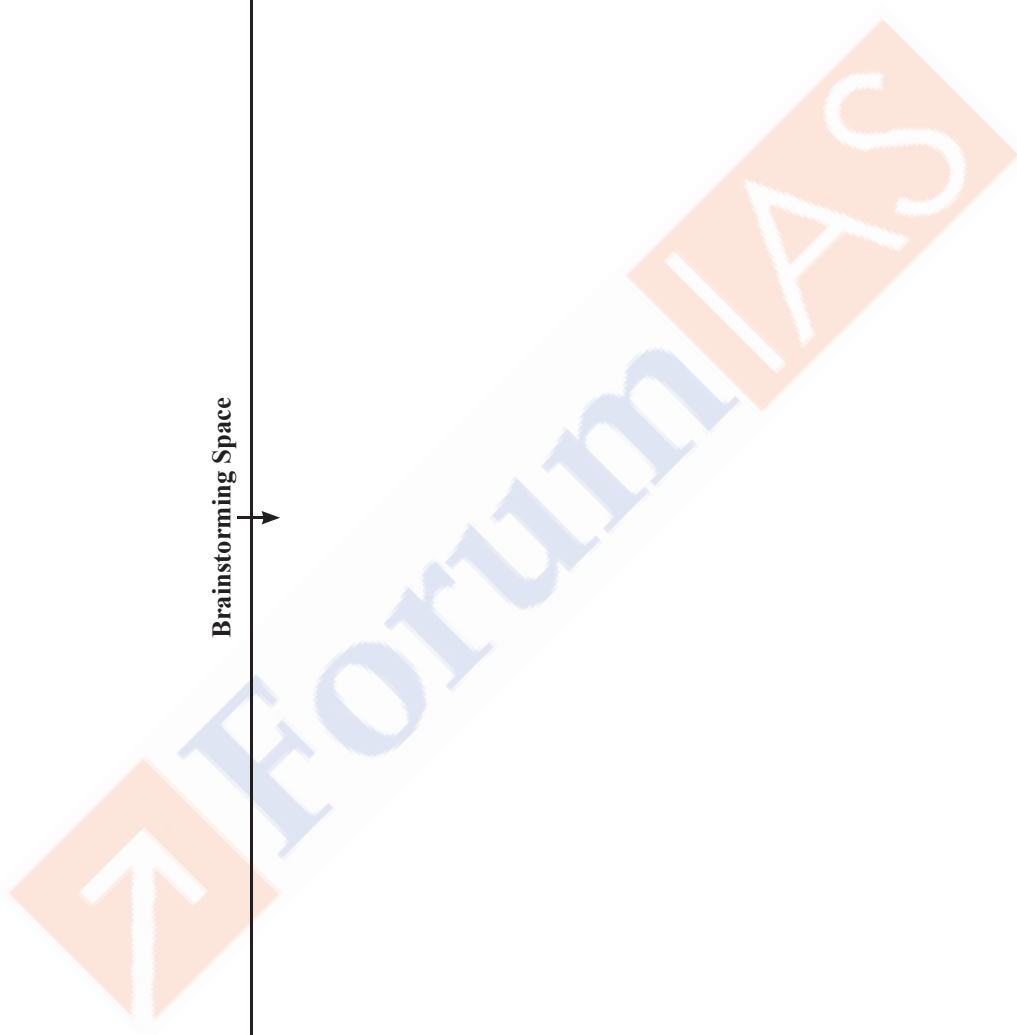
Brainstorming Space



Q.25) How has modern technology contributed to a better forecasting of weather? Mention the particular efforts made in India in this regard.

(10 Marks, 150 Words) [1989]

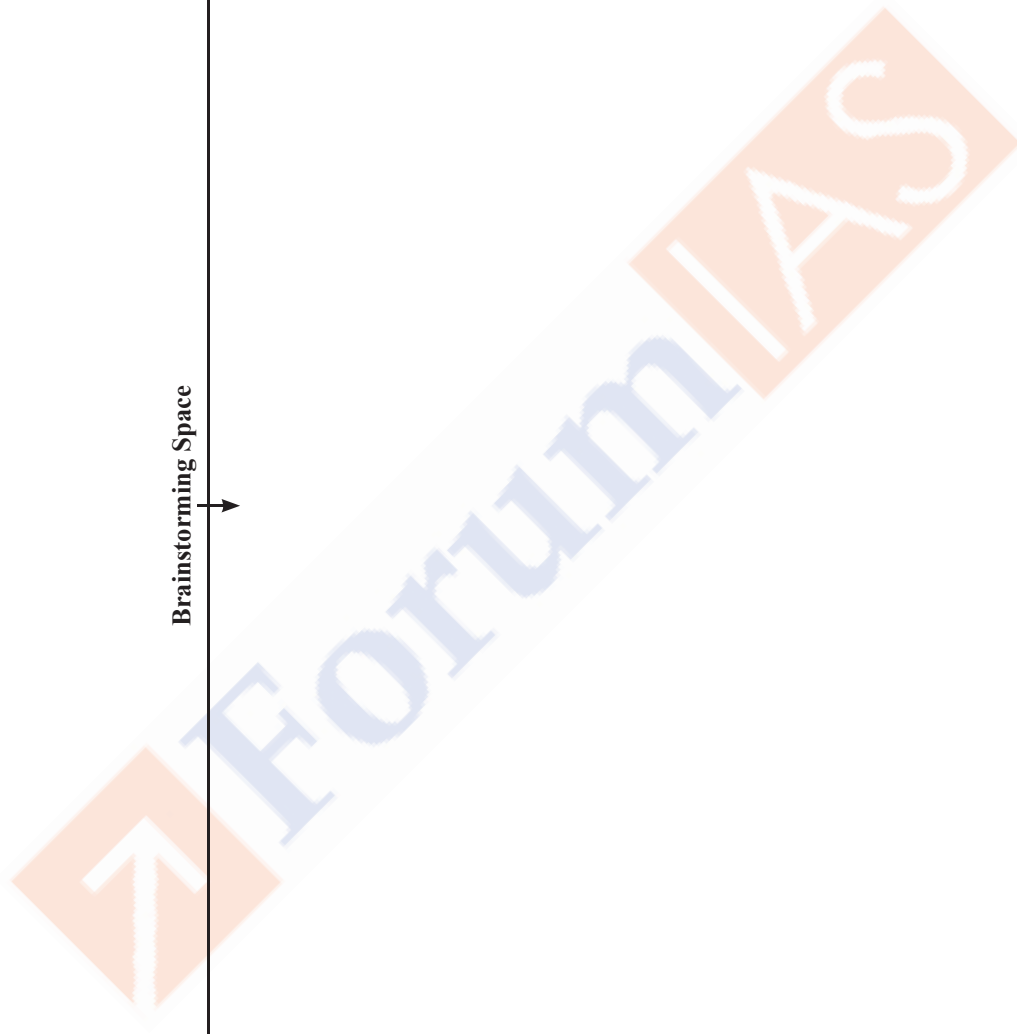
Brainstorming Space



**Q.26)** What is El Nino? How is it relevant to India?

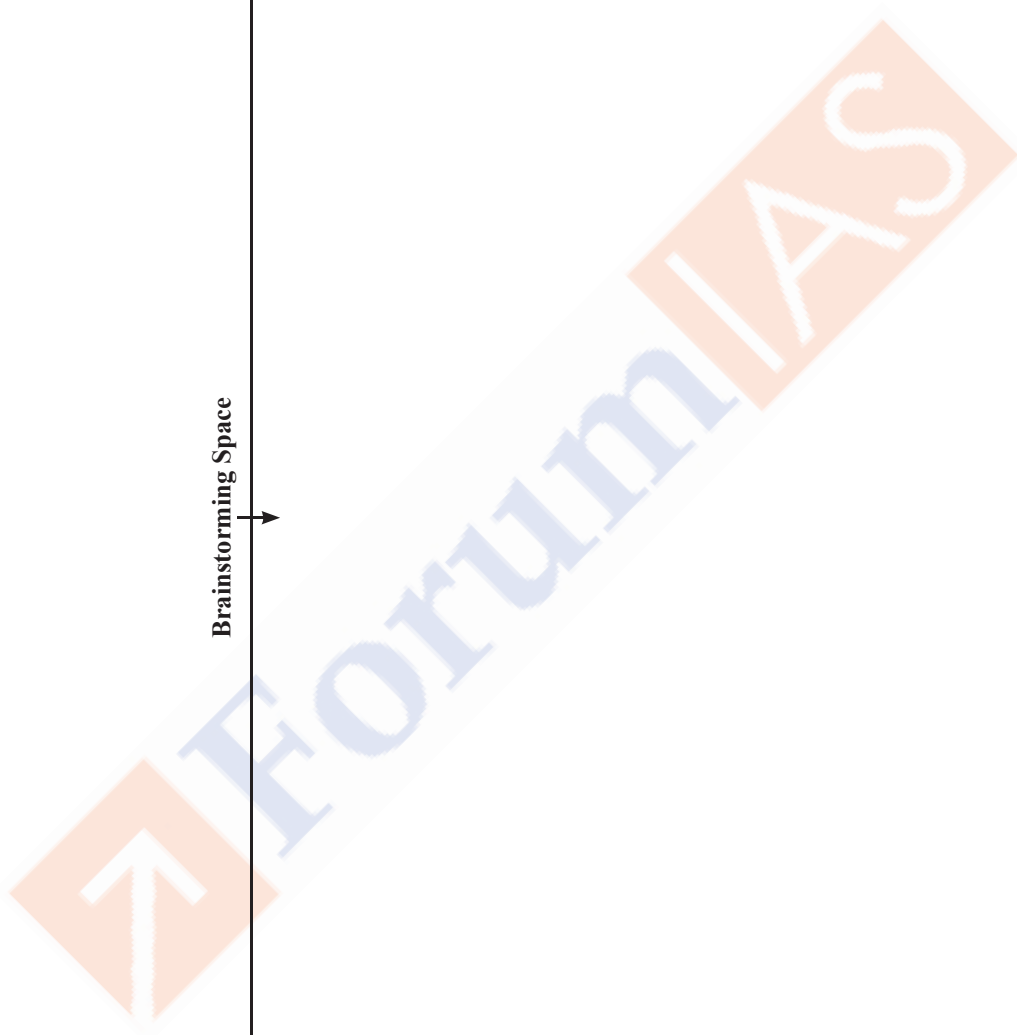
(10 Marks, 150 Words) [1988]

Brainstorming Space



**Q.27)** Monsoon is known to be the energy released by the sea. Explain how does this energy helps the entire economic system of the country. In what ways the country can be prepared to fight the vagaries of the monsoon. 10 Marks, 150 Words) [1982]

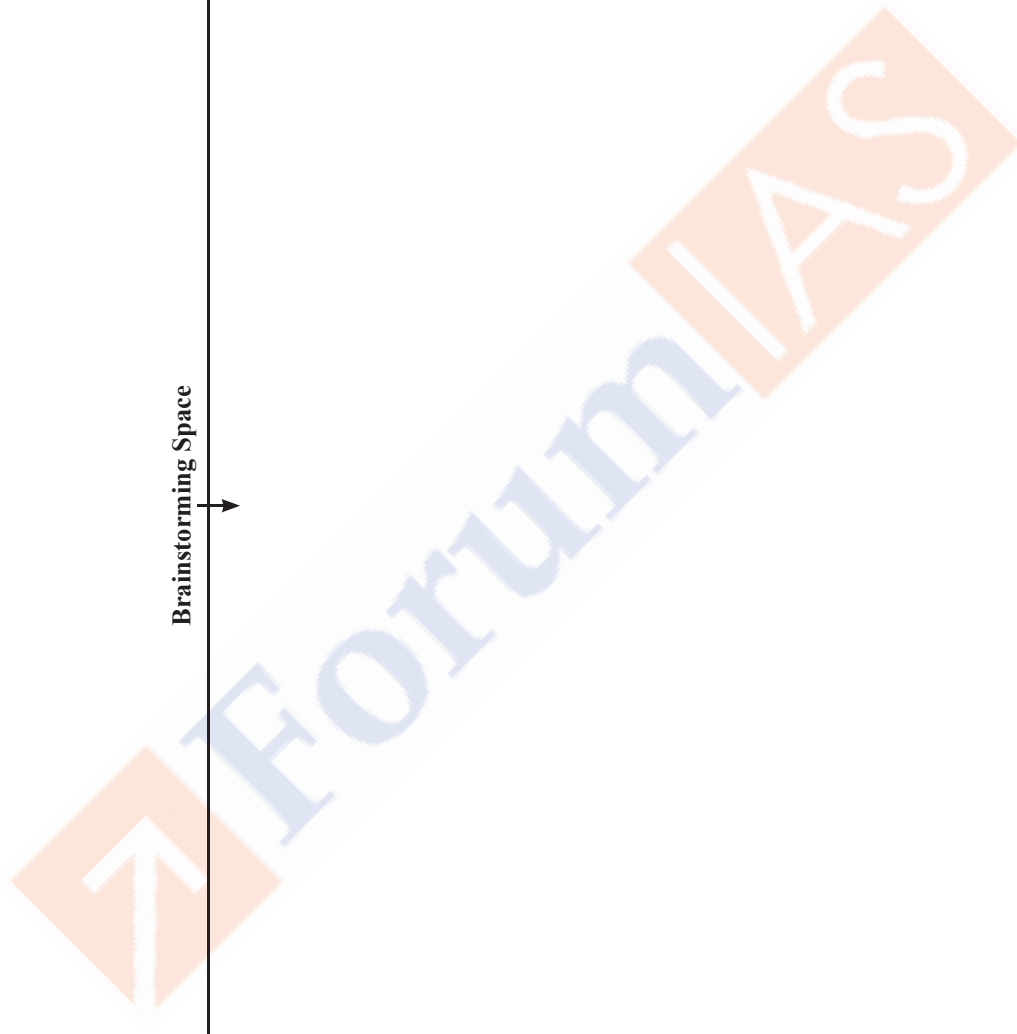
Brainstorming Space



**Q.28)** Unlike most other parts of the country, why is the Tamil Nadu coast wettest in November-December and not in July-August?

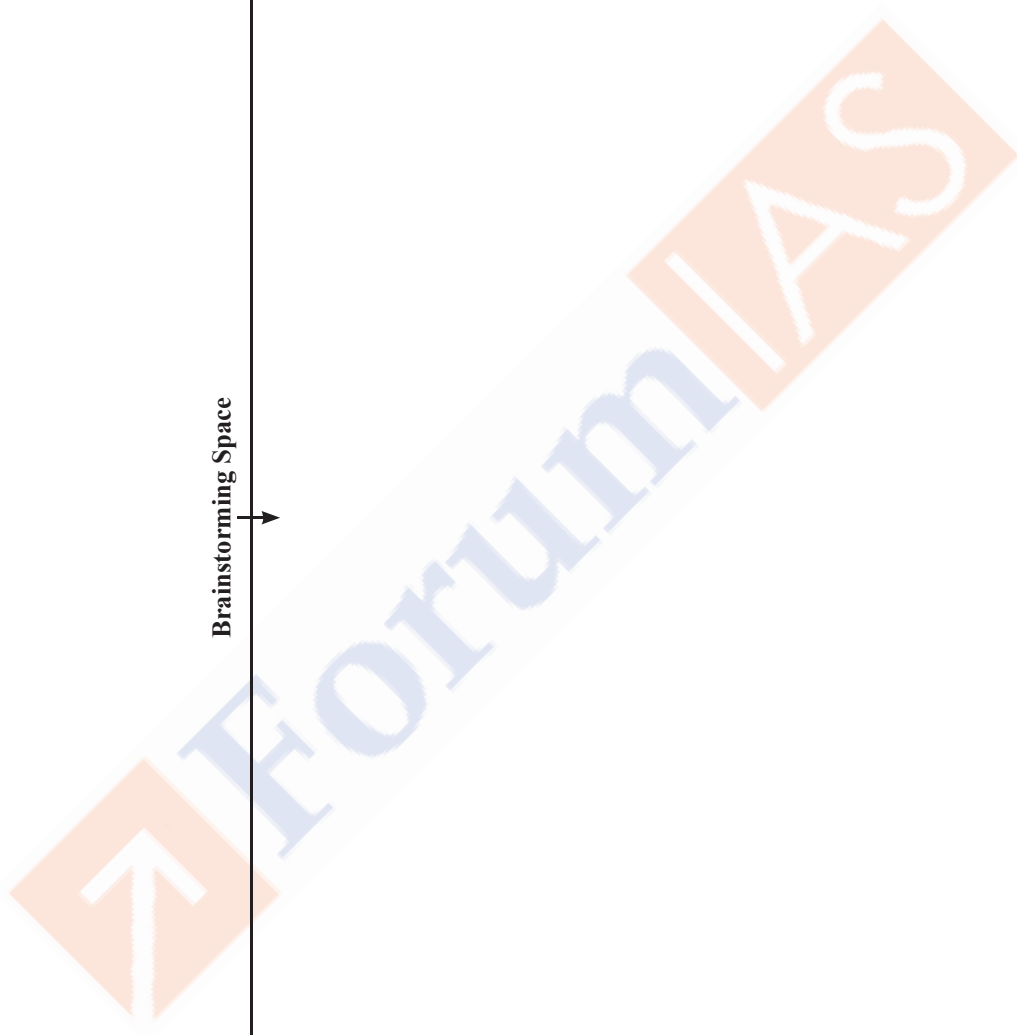
(10 Marks, 150 Words) [1981]

Brainstorming Space



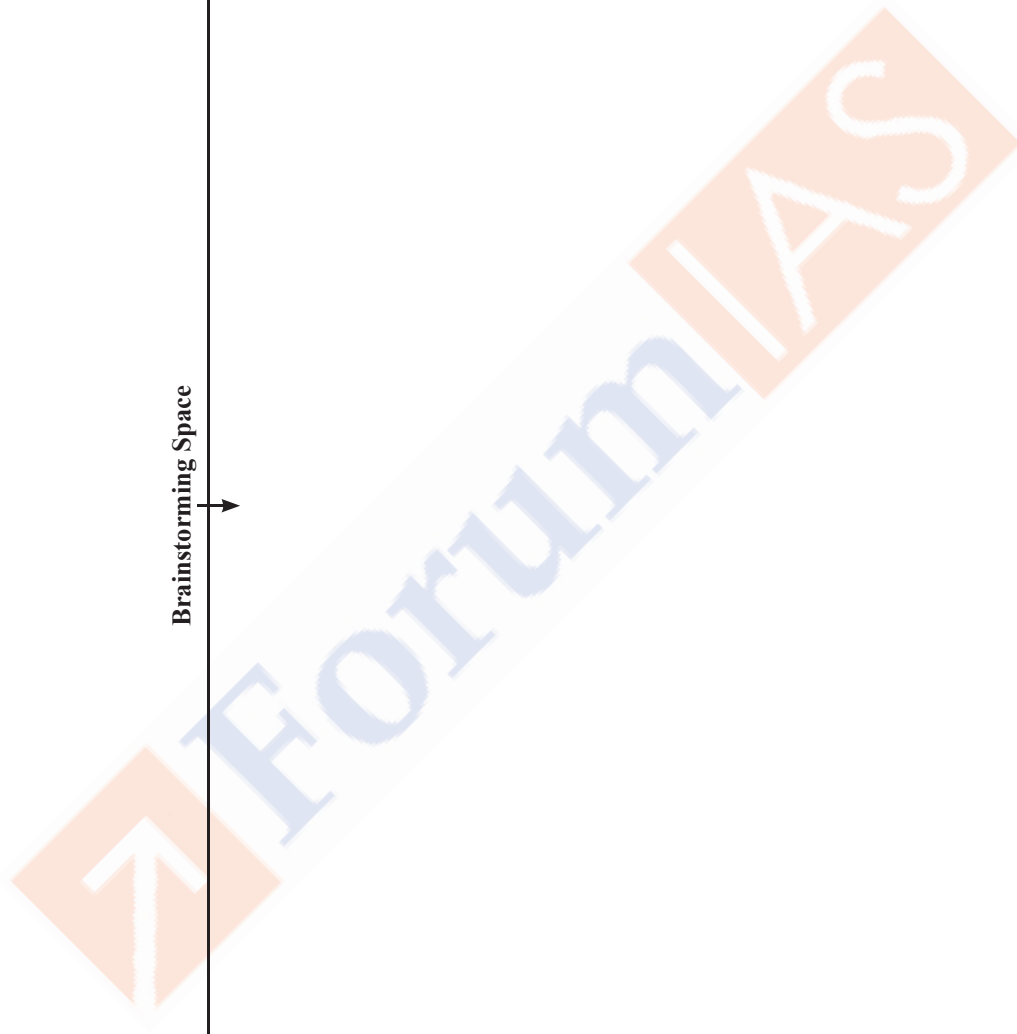
**Q.29)** Why is the South-West monsoon called 'Purvaiya' (easterly) in Bhojpur Region? How has this directional seasonal wind system influenced the cultural ethos of the region? (10 Marks, 150 Words) [2023]

Brainstorming Space



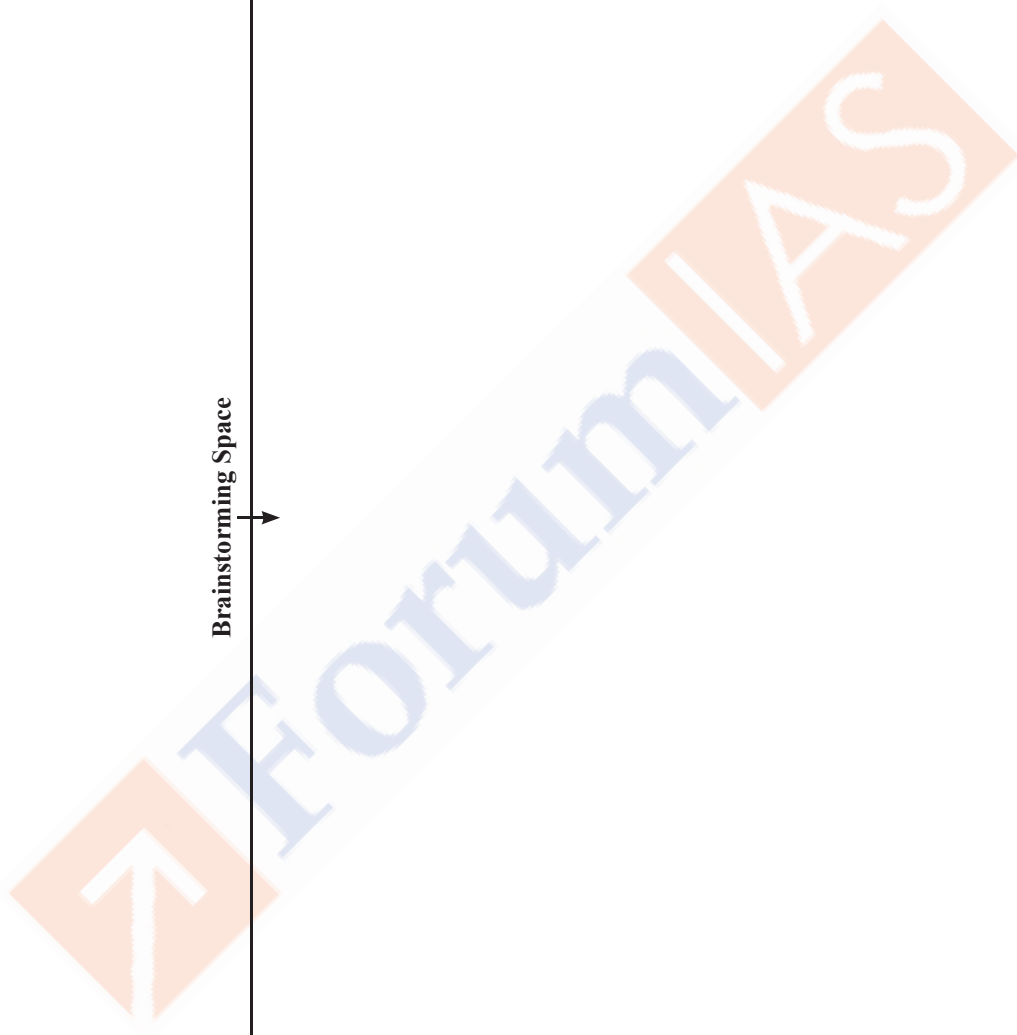
**Q.30)** What is a twister? Why are the majority of twisters observed in areas around the Gulf of Mexico? (15 Marks, 250 Words) [2024]

Brainstorming Space



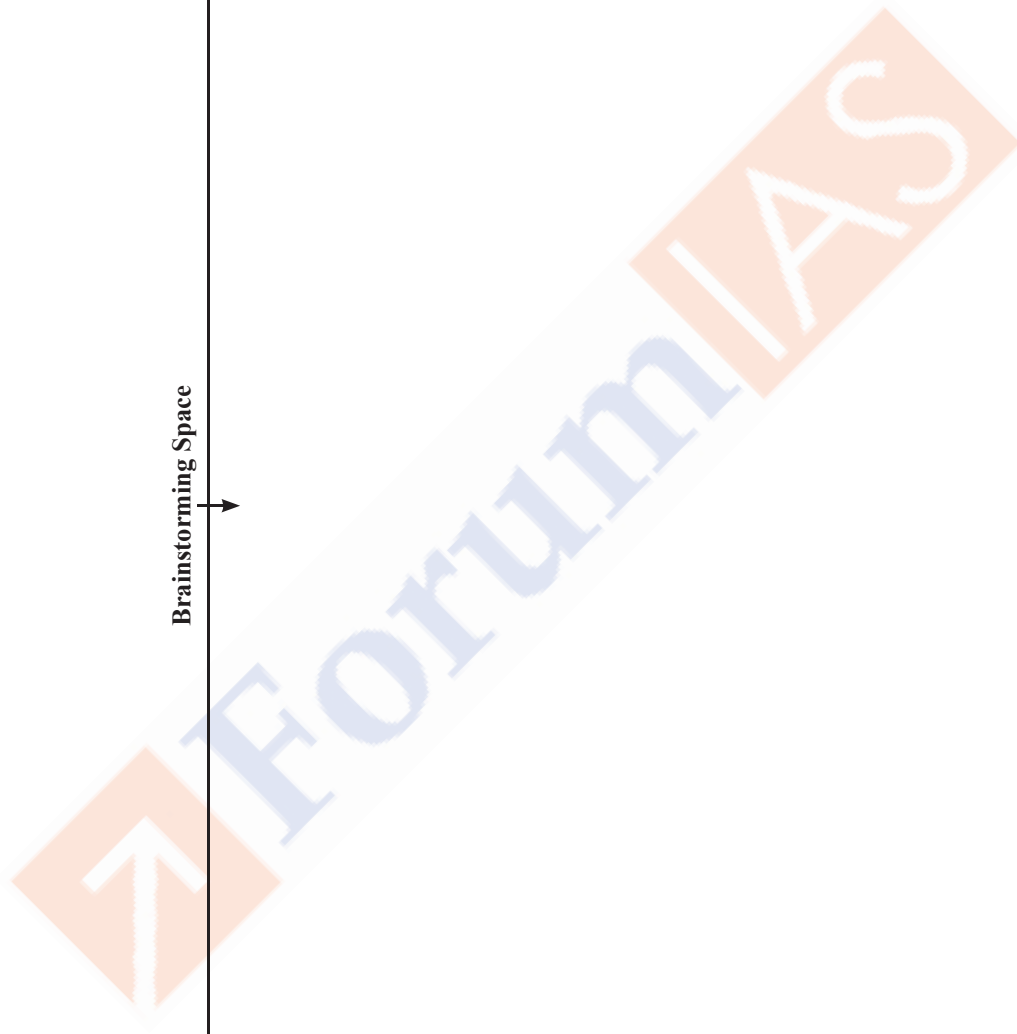
**Q.31)** Bring out the causes for the formation of heat islands in the urban habitat of the world. (10 Marks, 150 Words) [2013]

Brainstorming Space



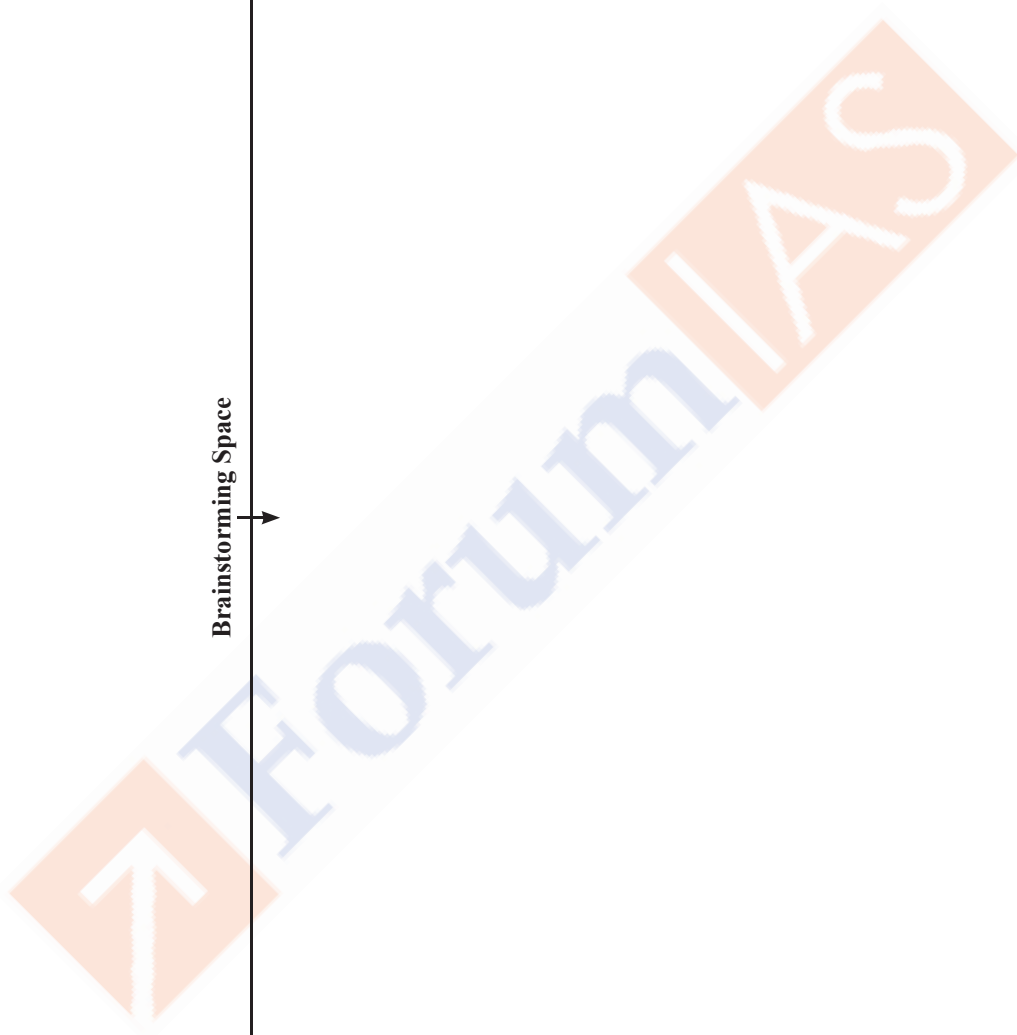
**Q.32)** What do you understand by the phenomenon of 'temperature inversion' in meteorology? How does it affect weather and the habitants of the place? (10 Marks, 150 Words) [2013]

Brainstorming Space



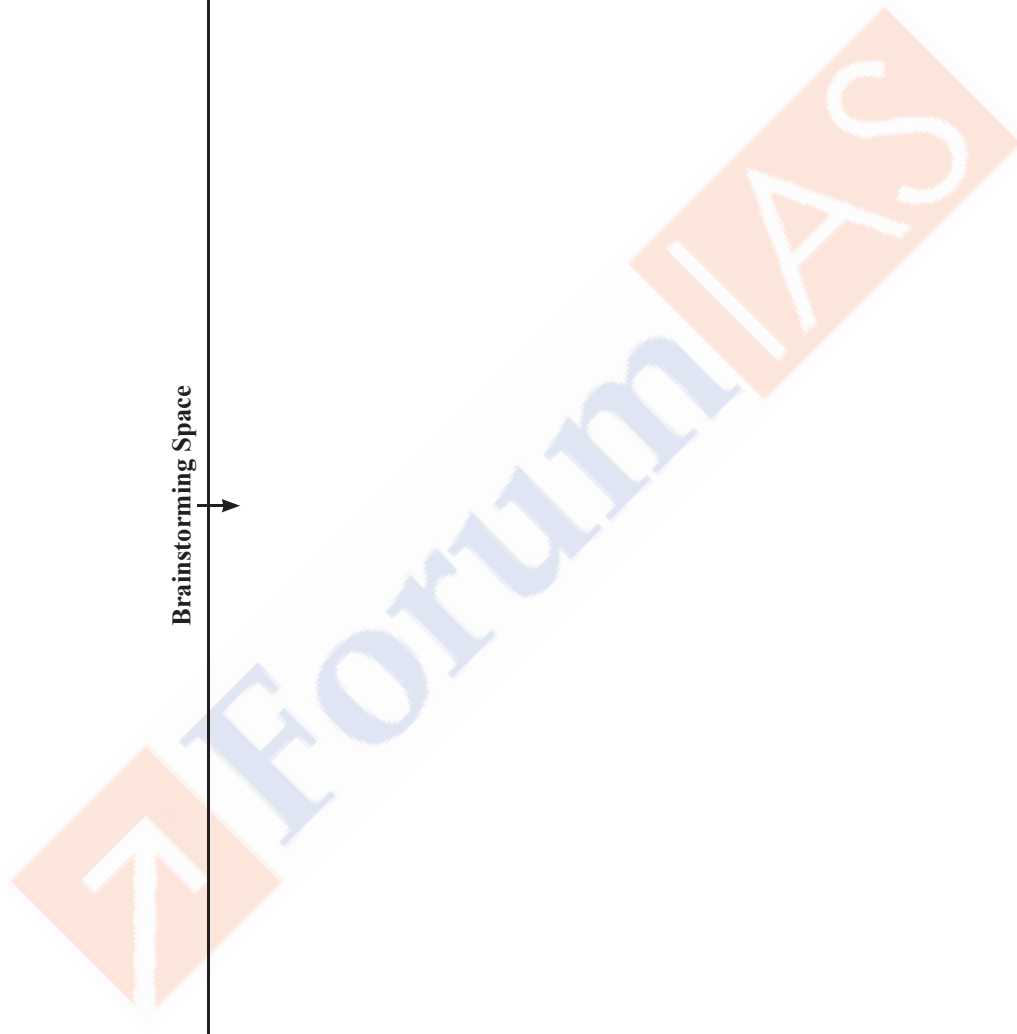
**Q.33)** Had there been no Himalayas, what would have been the winter climate in north India? (10 Marks, 150 Words) [2001]

Brainstorming Space



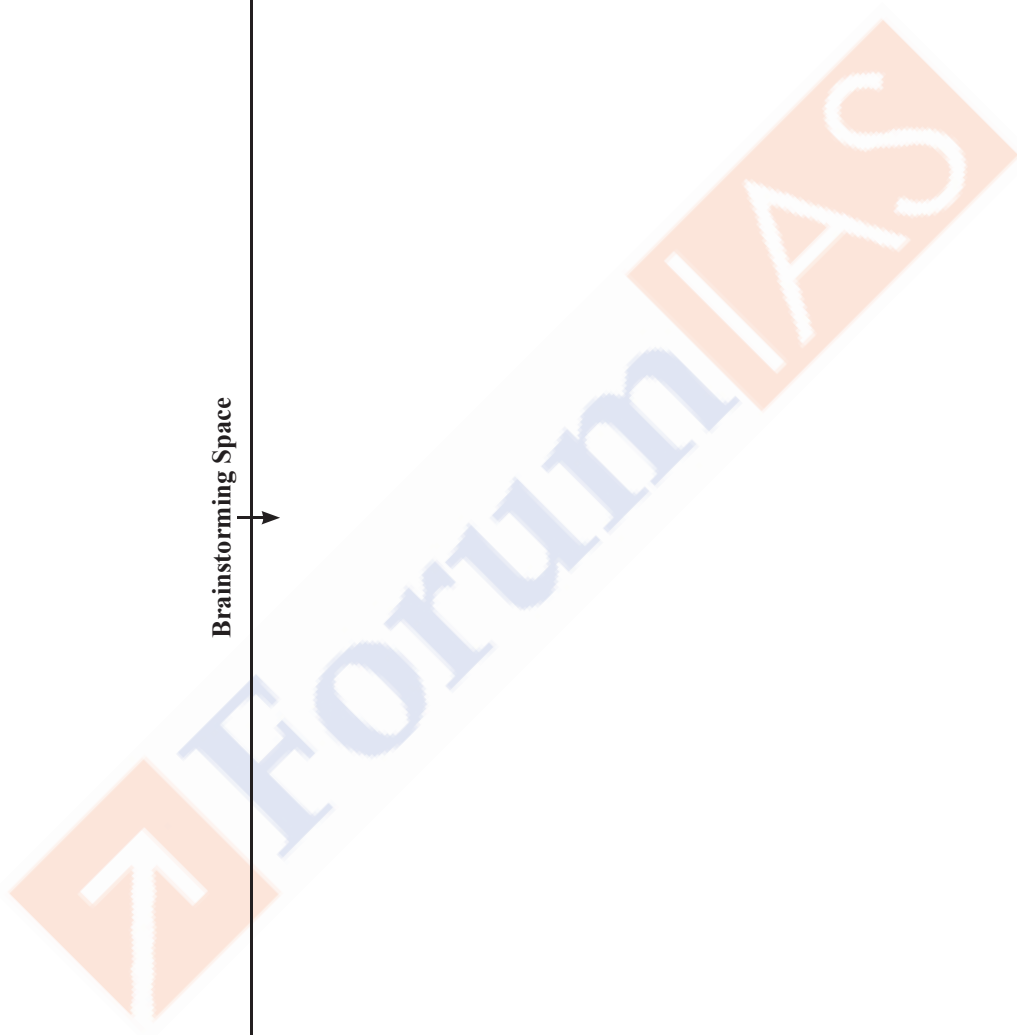
**Q.34)** What is ozone hole? How is it formed and what effect does it have on the earth? (10 Marks, 150 Words) [1996]

Brainstorming Space



**Q.35)** What is 'greenhouse effect'? What are its adverse effects on the Earth's environment? What steps are being taken to check the same?  
(15 Marks, 250 Words) [1995]

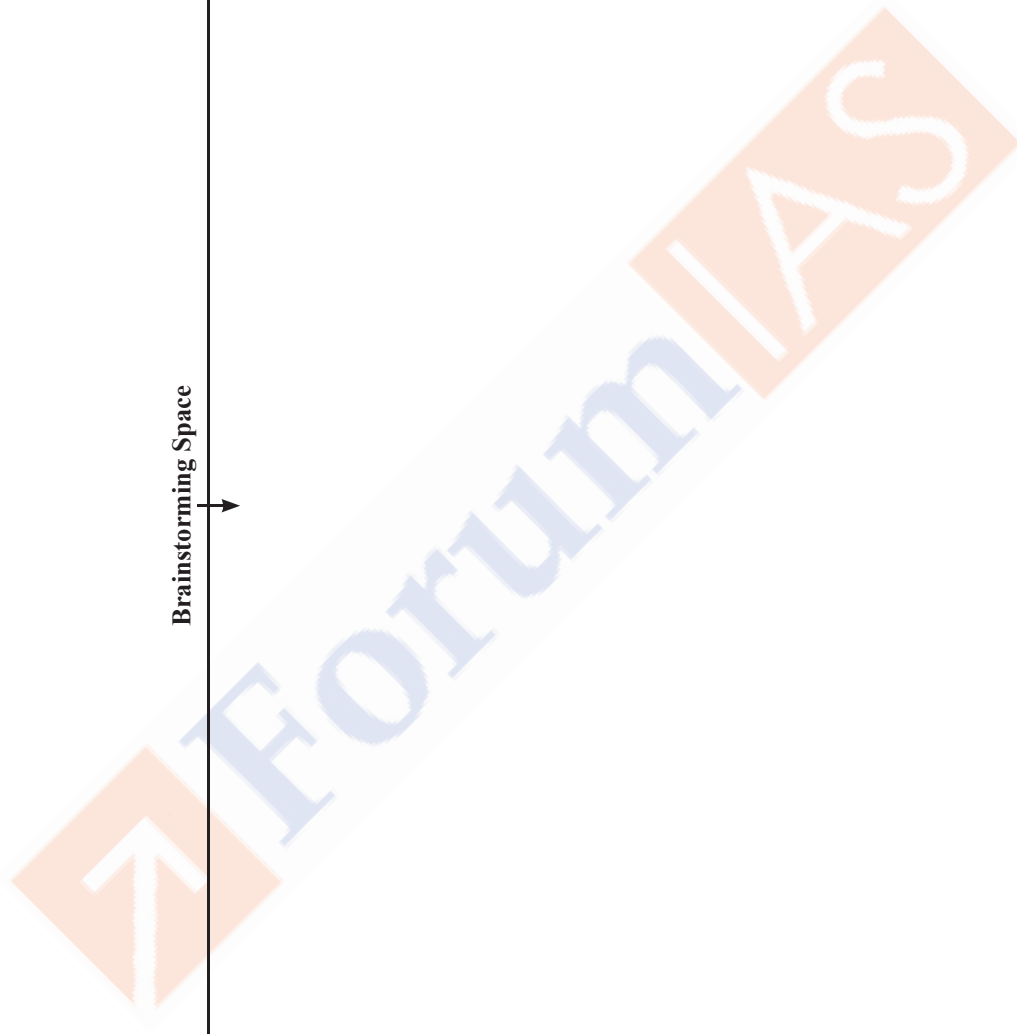
Brainstorming Space



**Q.36)** What are non-farm primary activities? How are these activities related to physiographic features in India? Discuss with suitable examples.

(10 Marks, 150 Words) [2025]

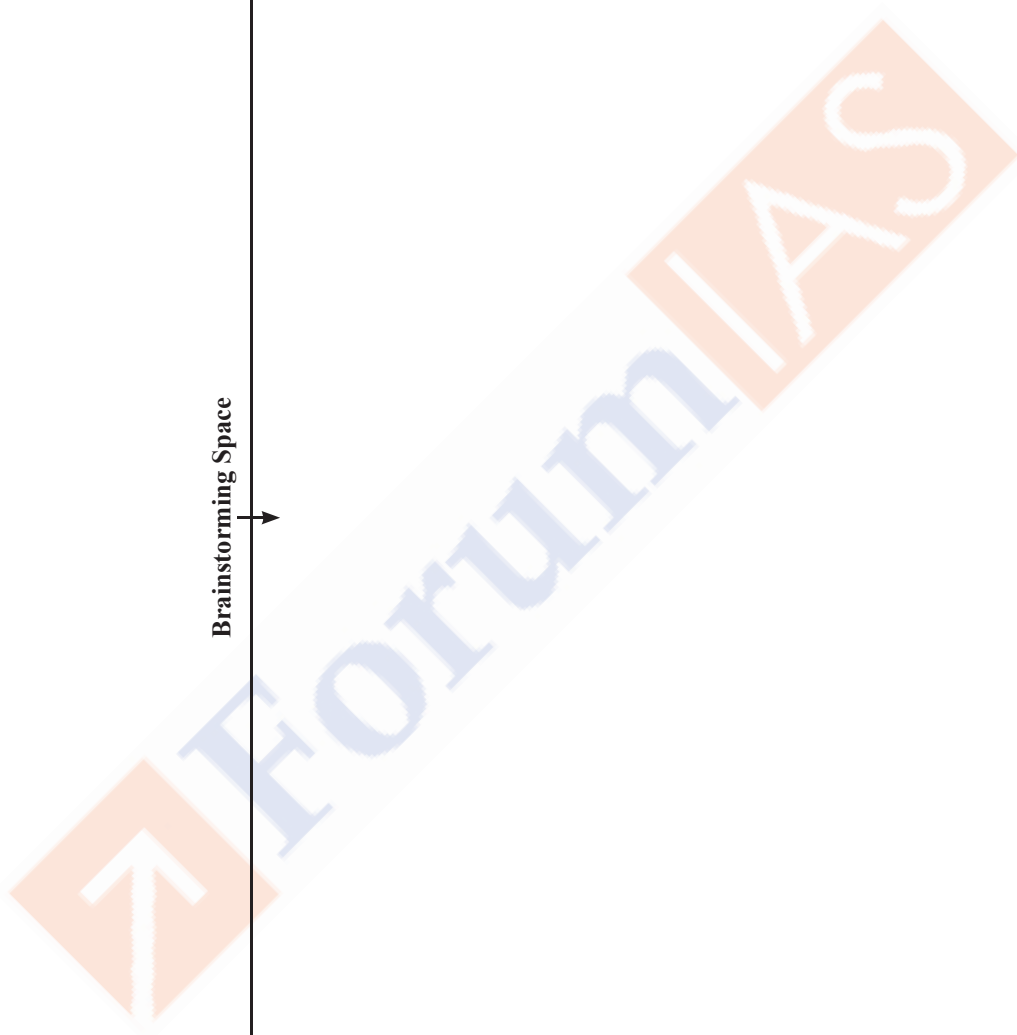
Brainstorming Space



**Q.37)** How can Artificial Intelligence (AI) and drones be effectively used along with GIS and RS techniques in locational and areal planning?

(15 Marks, 250 Words) [2025]

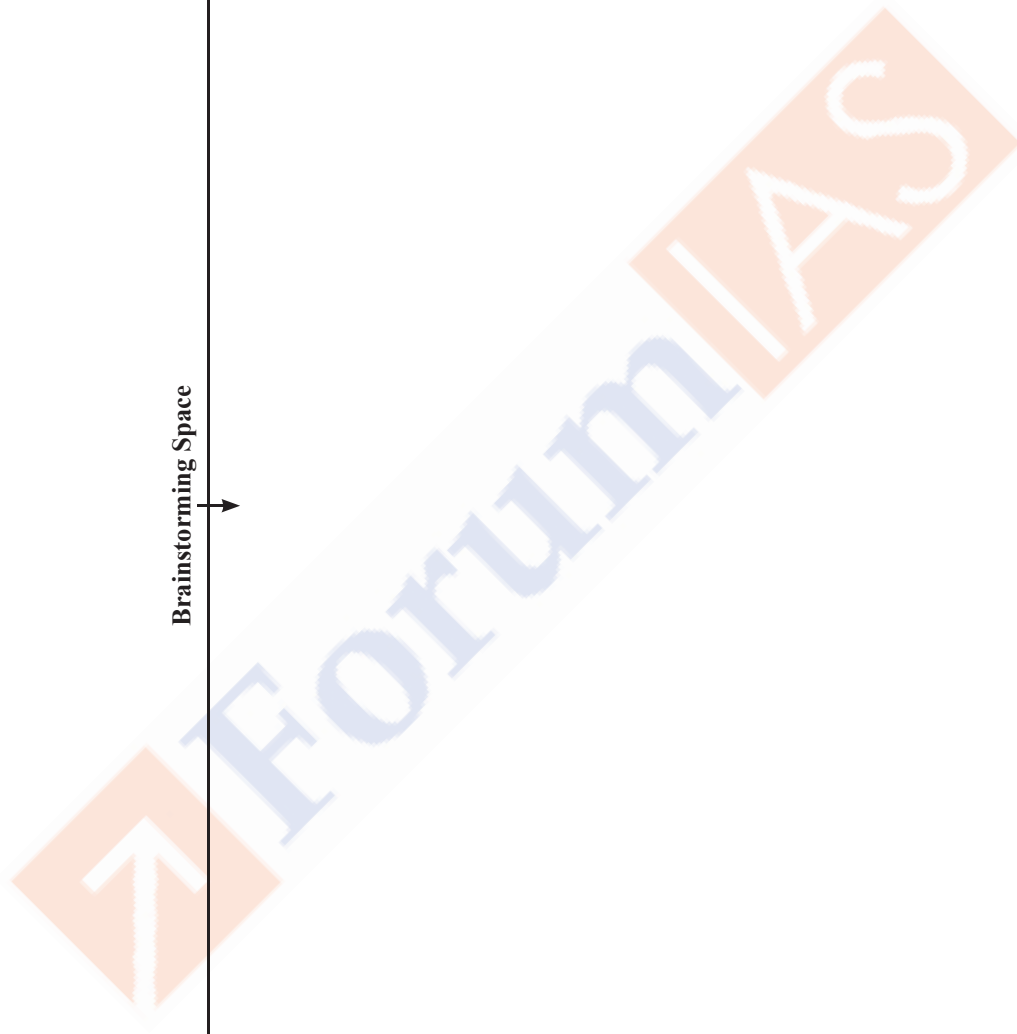
Brainstorming Space



**Q.38)** The groundwater potential of the Gangetic valley is on a serious decline. How may it affect the food security of India?

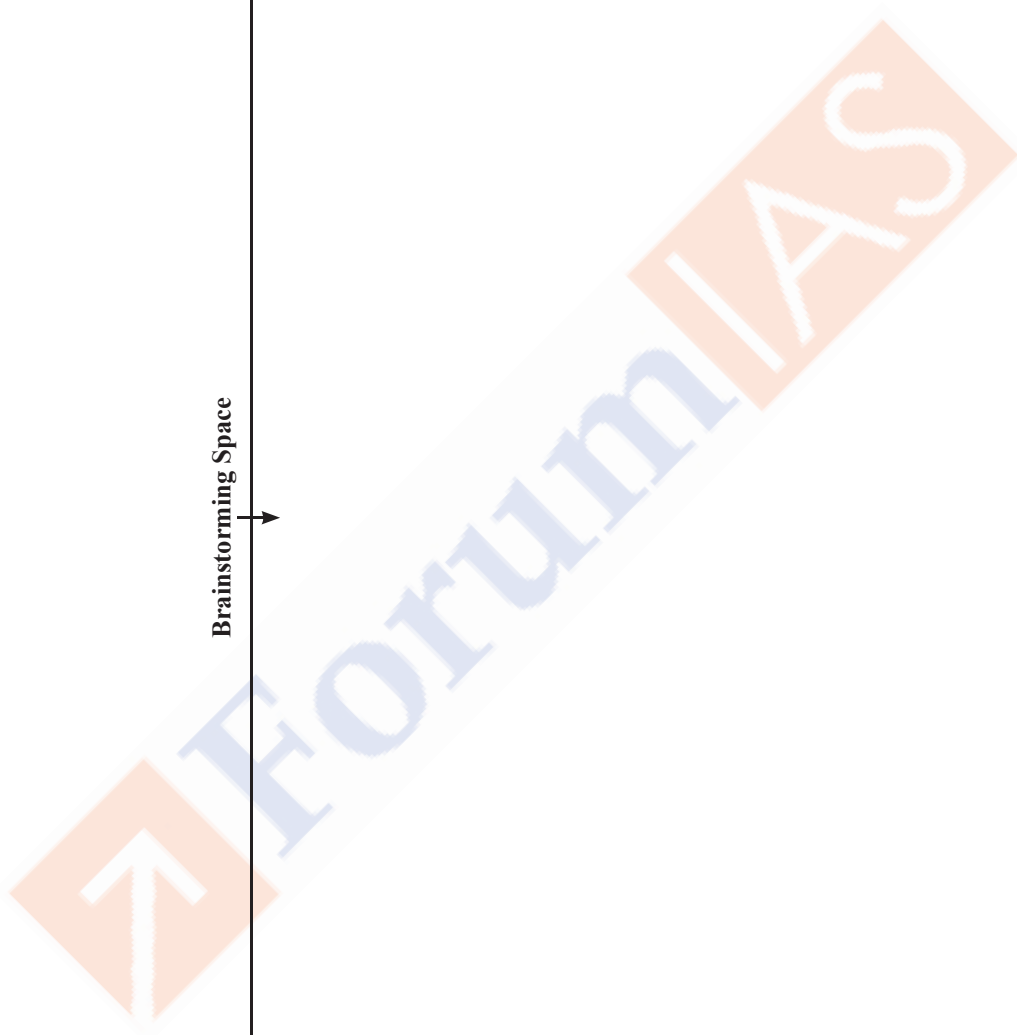
(15 Marks, 250 Words) [2024]

Brainstorming Space



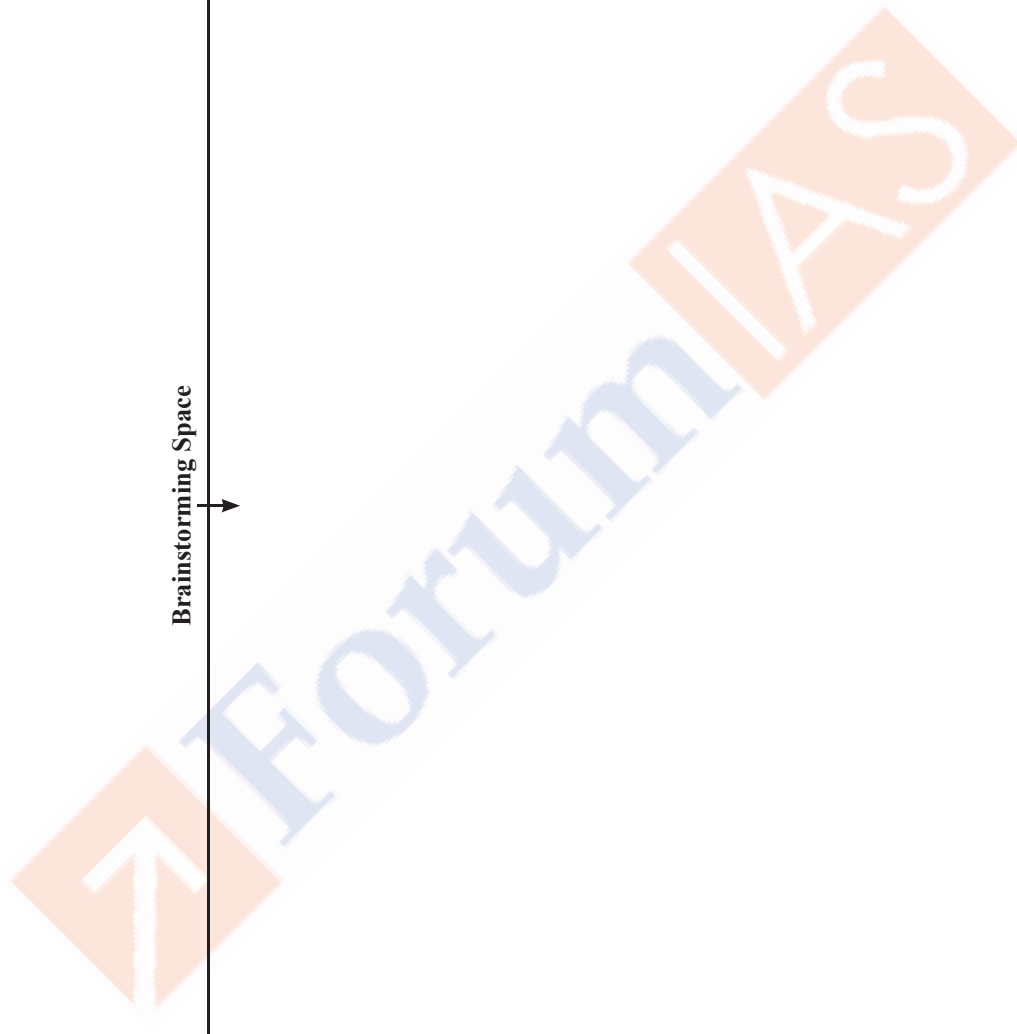
**Q.39)** Discuss the consequences of climate change on the food security in tropical countries. (10 Marks, 150 Words) [2023]

Brainstorming Space



**Q.40)** Why is the world today confronted with a crisis of availability of and access to freshwater resources? (10 Marks, 150 Words) [2023]

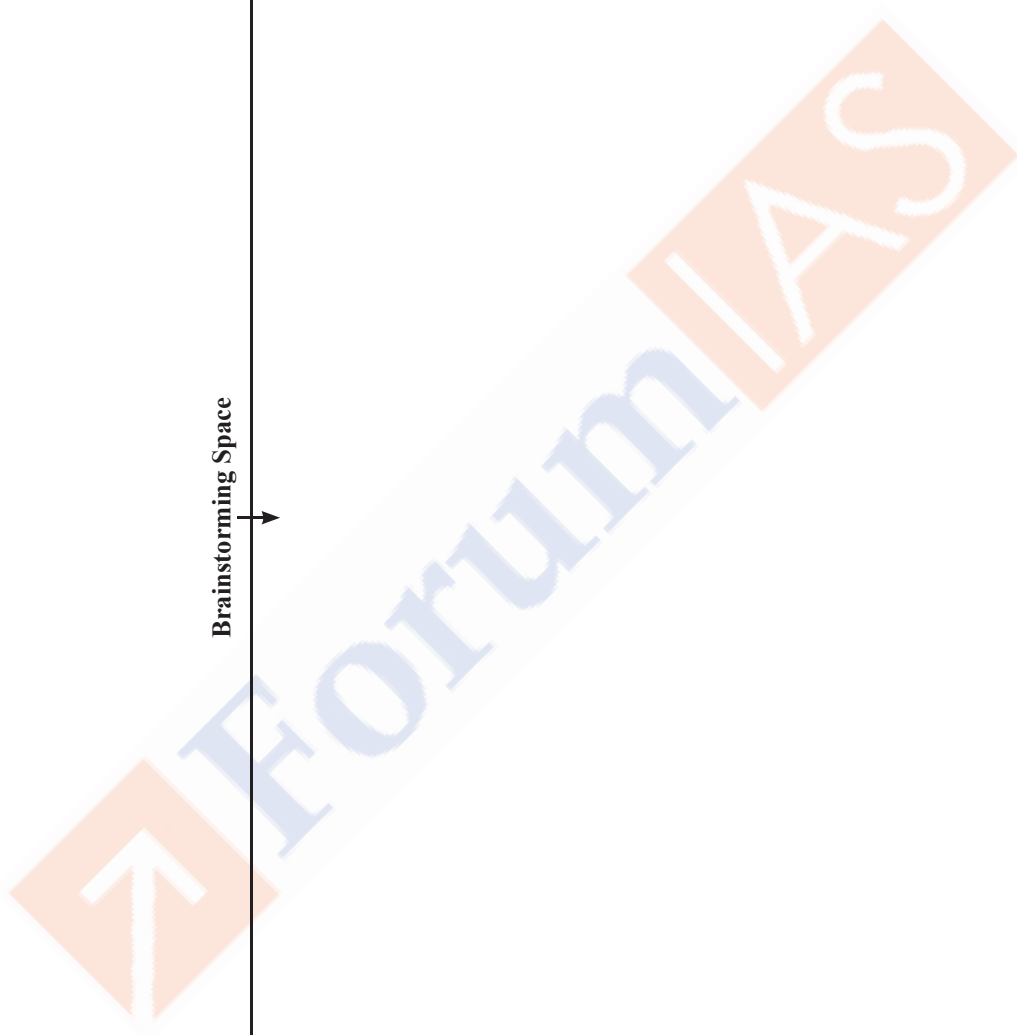
Brainstorming Space



**Q.41)** Describing the distribution of rubber-producing countries indicate the major environmental issues faced by them.

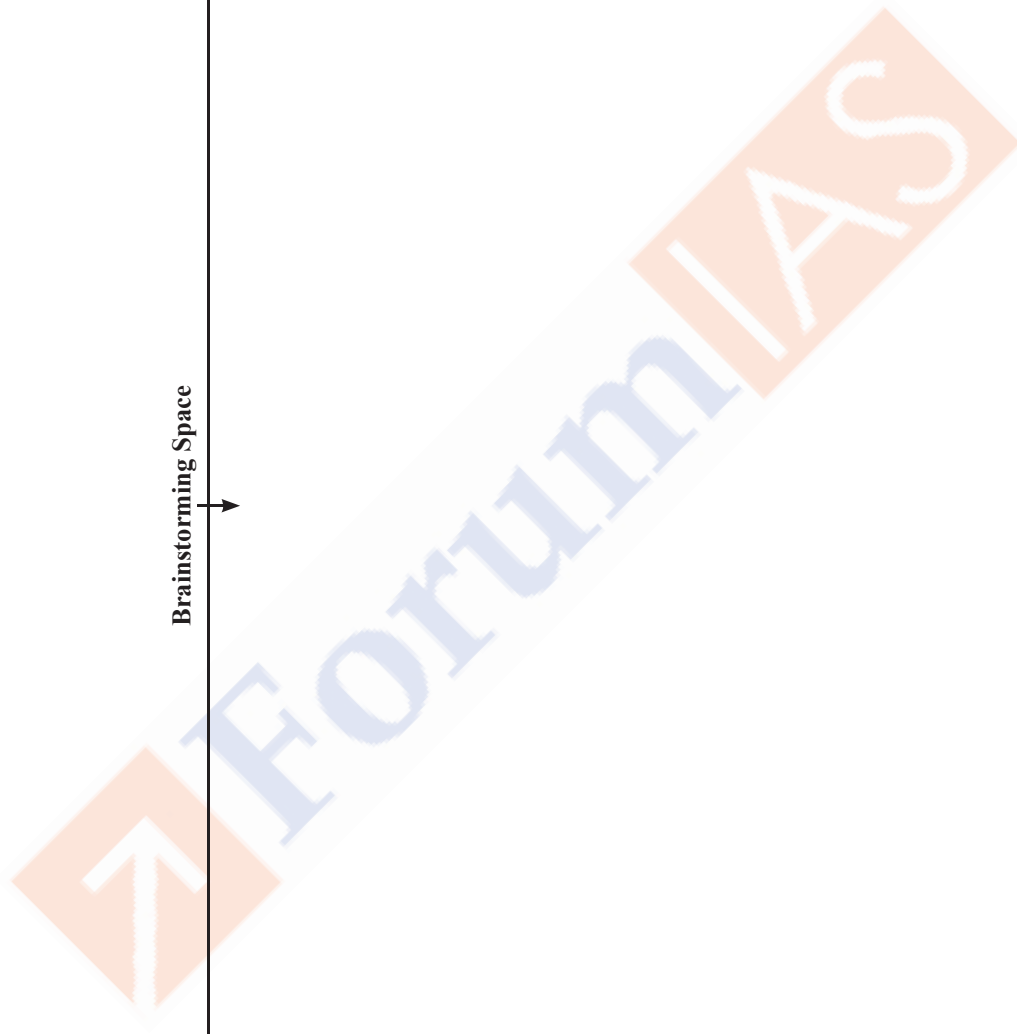
(15 Marks, 250 Words) [2022]

Brainstorming Space



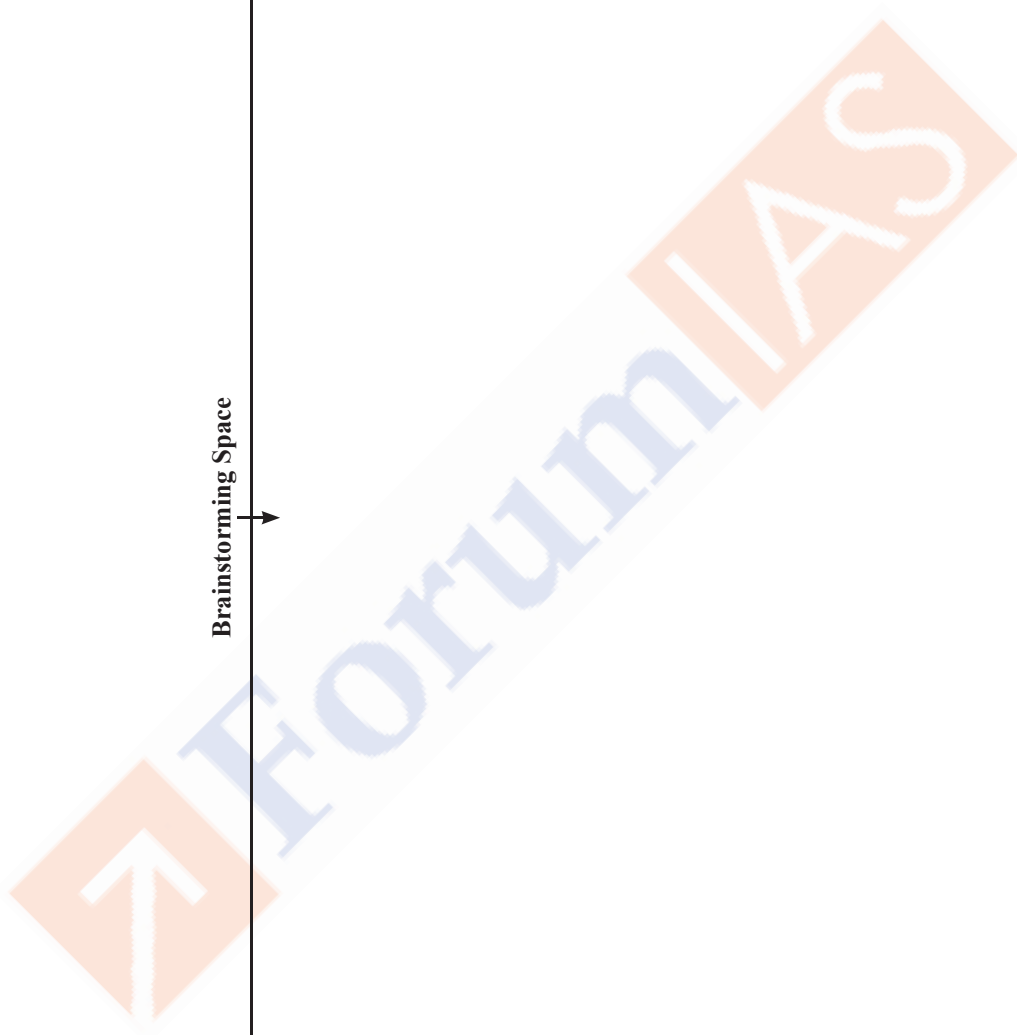
Q.42) Mention the significance of straits and isthmus in international trade.  
(15 Marks, 250 Words) [2022]

Brainstorming Space



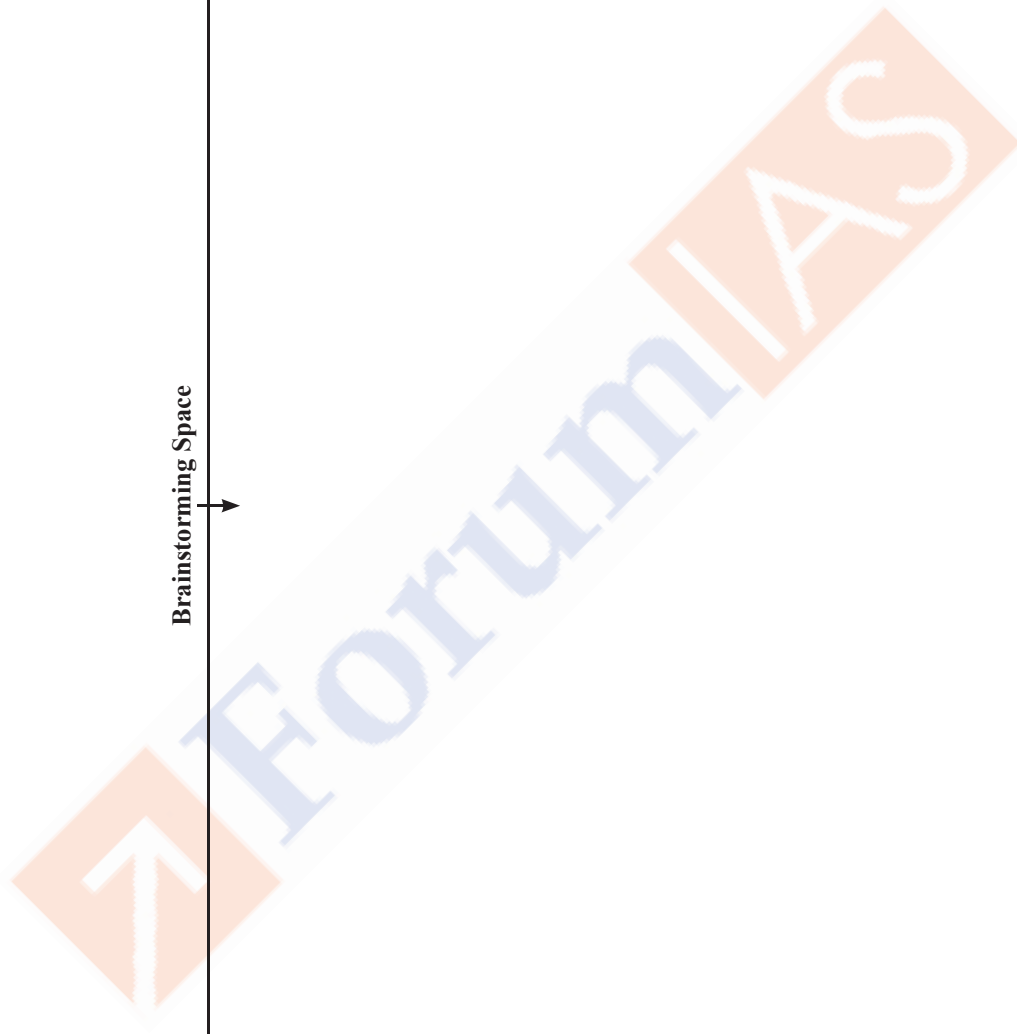
**Q.43)** Discuss the factors for localization of agro-based food processing industries of North West India. (10 Marks, 150 Words) [2019]

Brainstorming Space



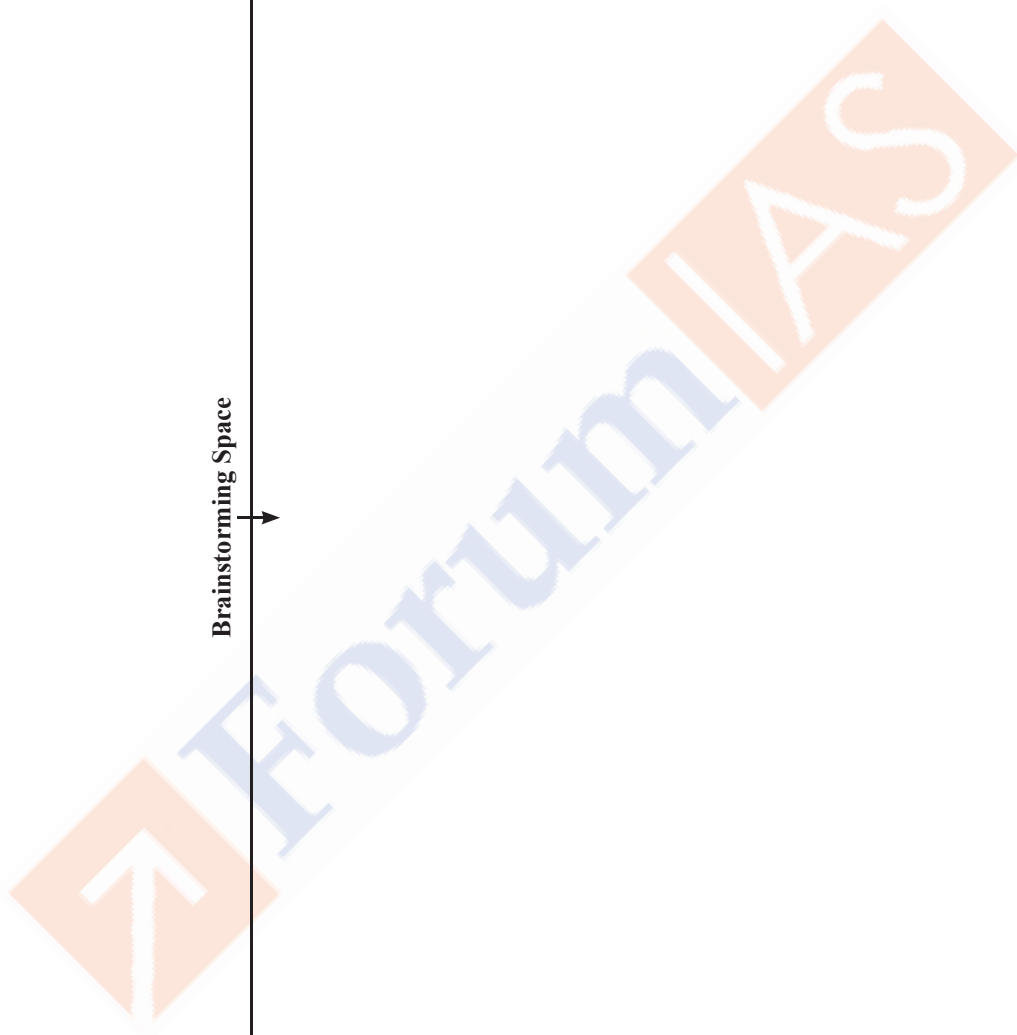
**Q.44)** Defining blue revolution, explain the problems and strategies for pisciculture development in India. (15 Marks, 250 Words) [2018]

Brainstorming Space



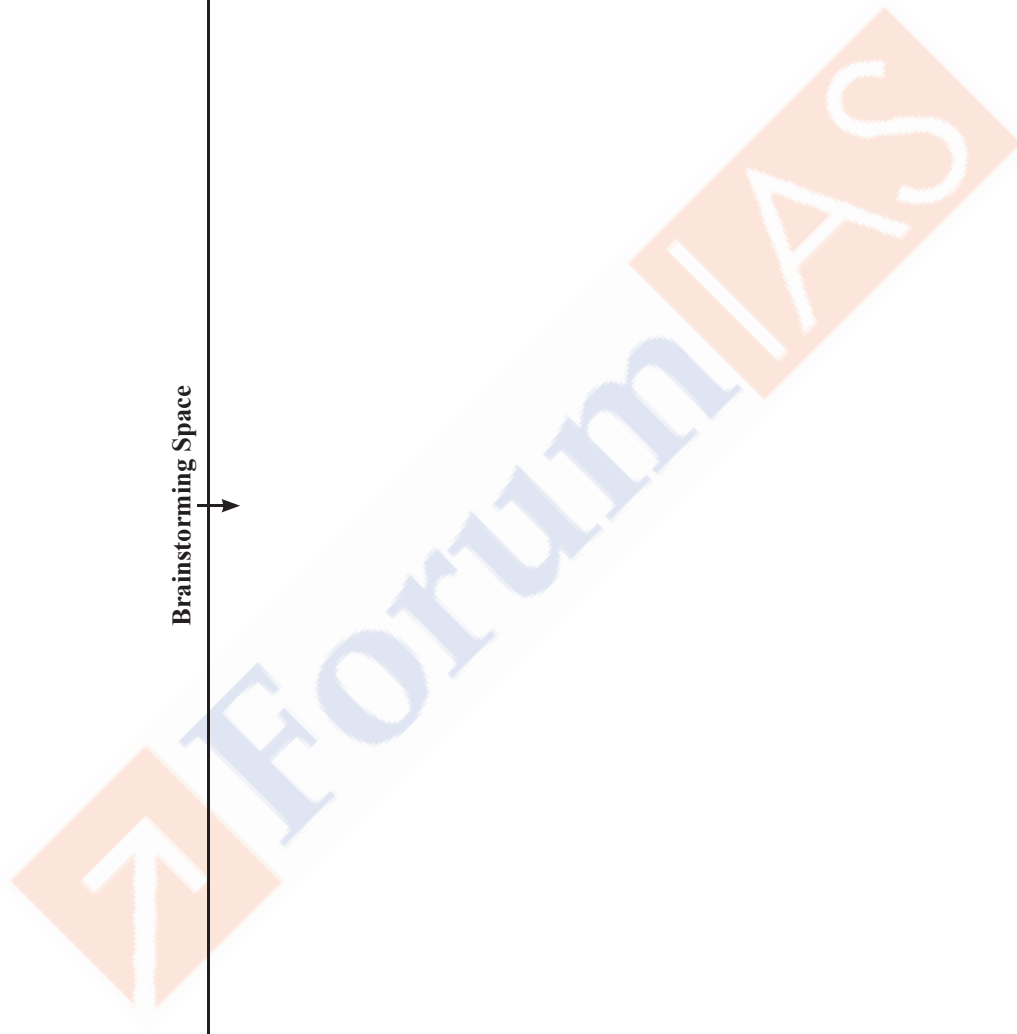
**Q.45)** Mention the advantages of the cultivation of pulses because of which the year 2016 was declared as the International Year of Pulses by United Nations. (10 Marks, 150 Words) [2017]

Brainstorming Space



**Q.46)** Enumerate the problems and prospects of inland water transport in India. (12.5 Marks, 200 Words) [2016]

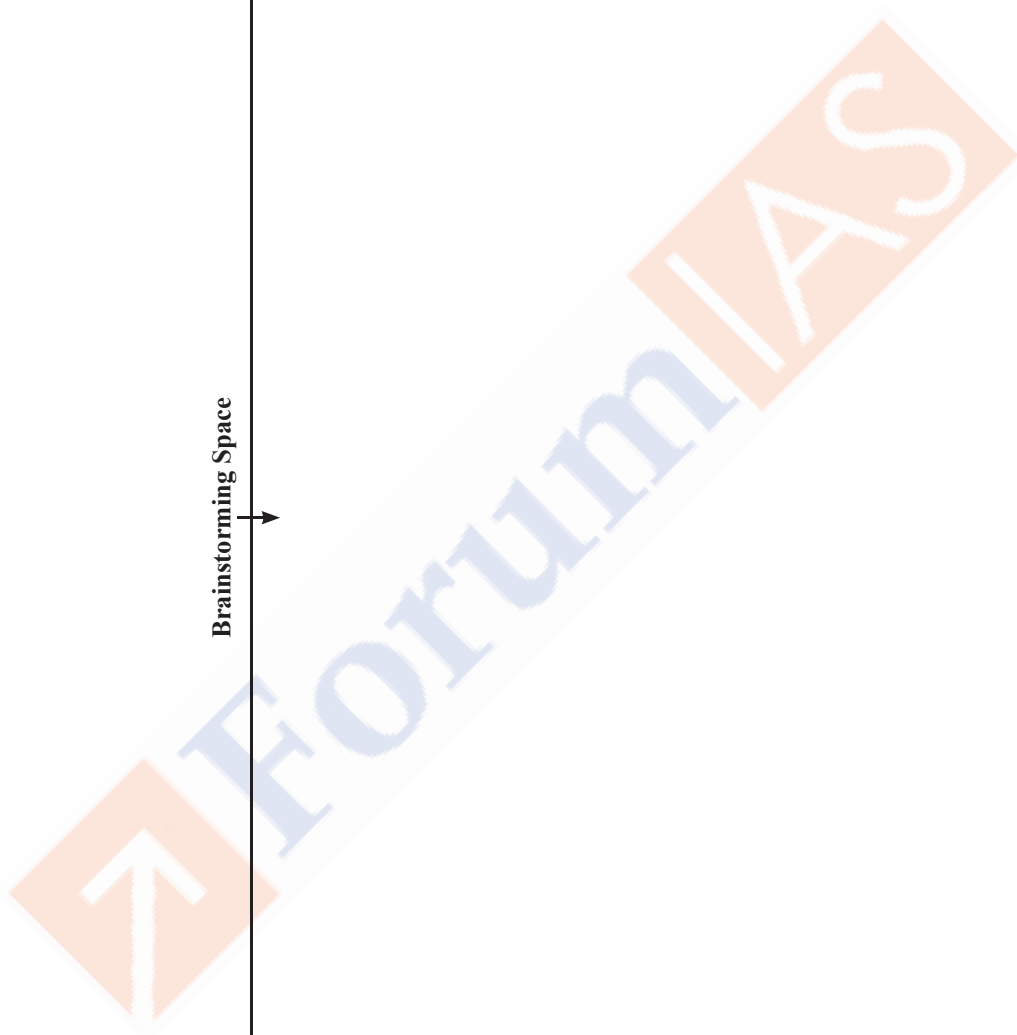
Brainstorming Space



**Q.47)** Whereas the British planters had developed tea gardens all along the Shivaliks and Lesser Himalayas from Assam to Himachal Pradesh, in effect they did not succeed beyond the Darjeeling area. Explain.

(12.5 Marks, 200 Words) [2014]

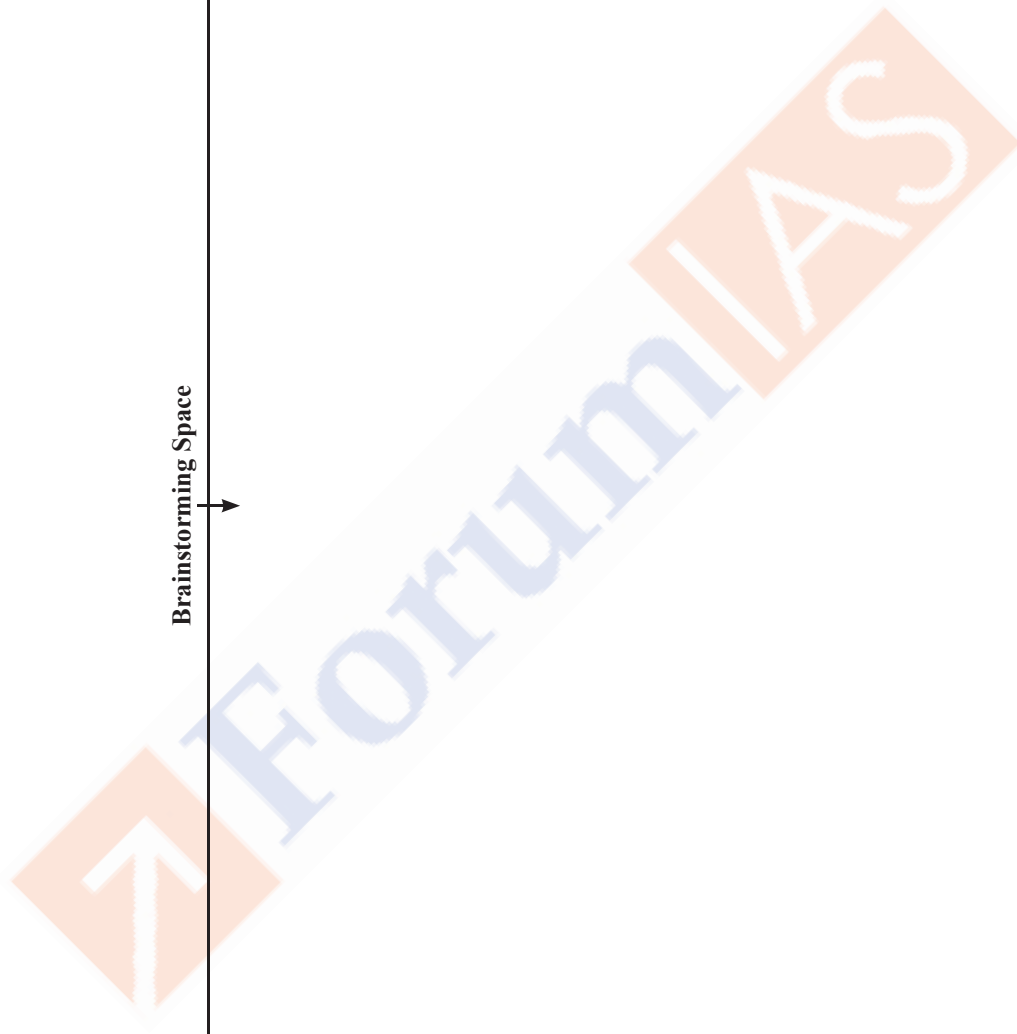
Brainstorming Space



**Q.48)** Why did the Green Revolution in India virtually by-pass the eastern region despite fertile soil and good availability of water?

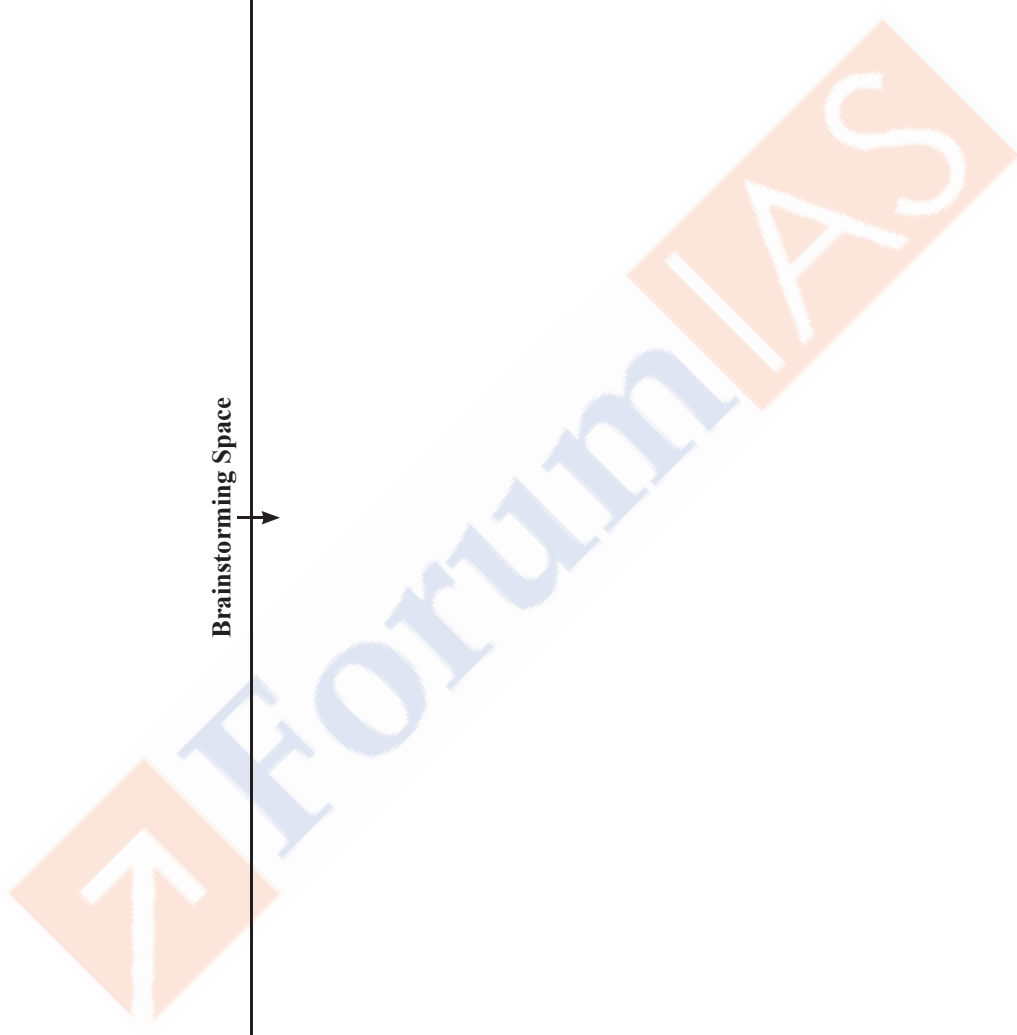
(12.5 Marks, 200 Words) [2014]

Brainstorming Space



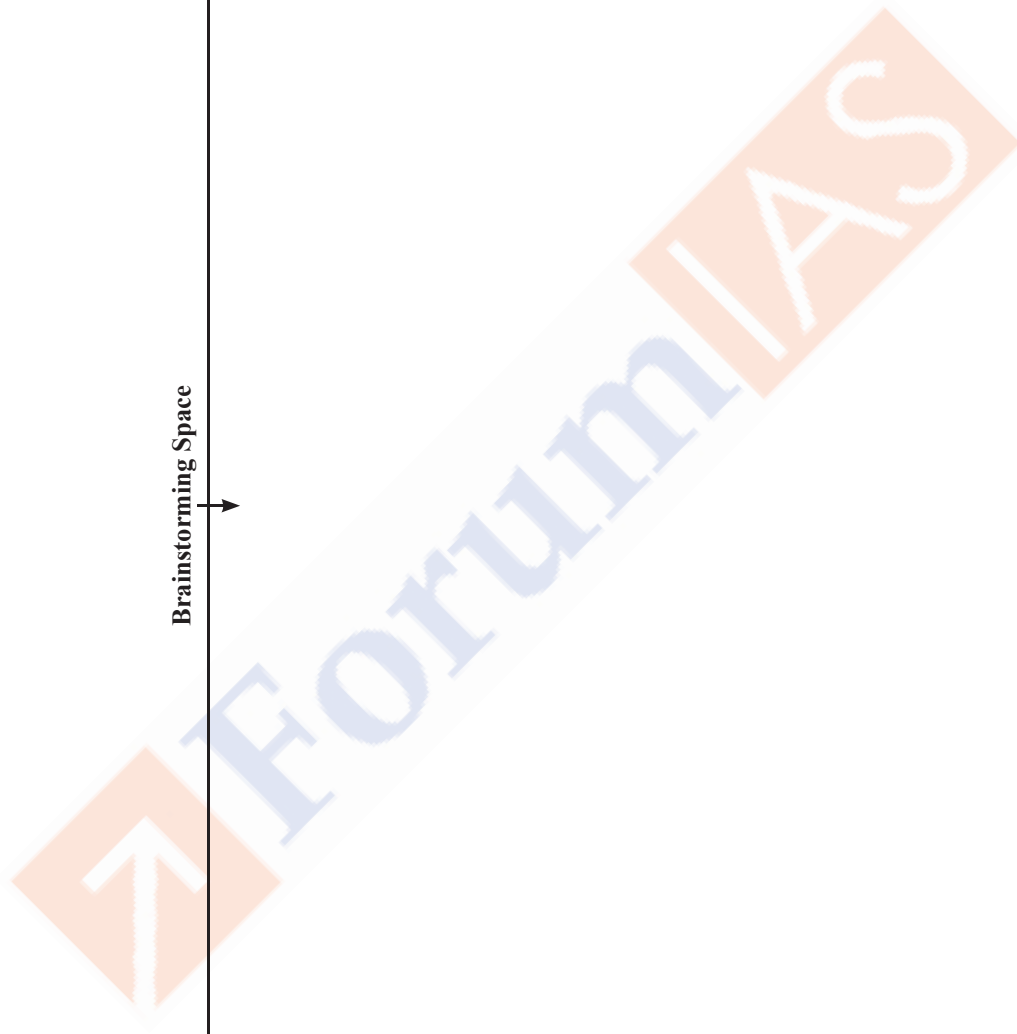
**Q.49)** What is dry farming? Discuss its relevance in augmenting the food supply in India. (10 Marks, 150 Words) [1999]

Brainstorming Space



**Q.50)** What is shifting cultivation? Describe its salient characteristics with reference to India. (10 Marks, 150 Words) [1996]

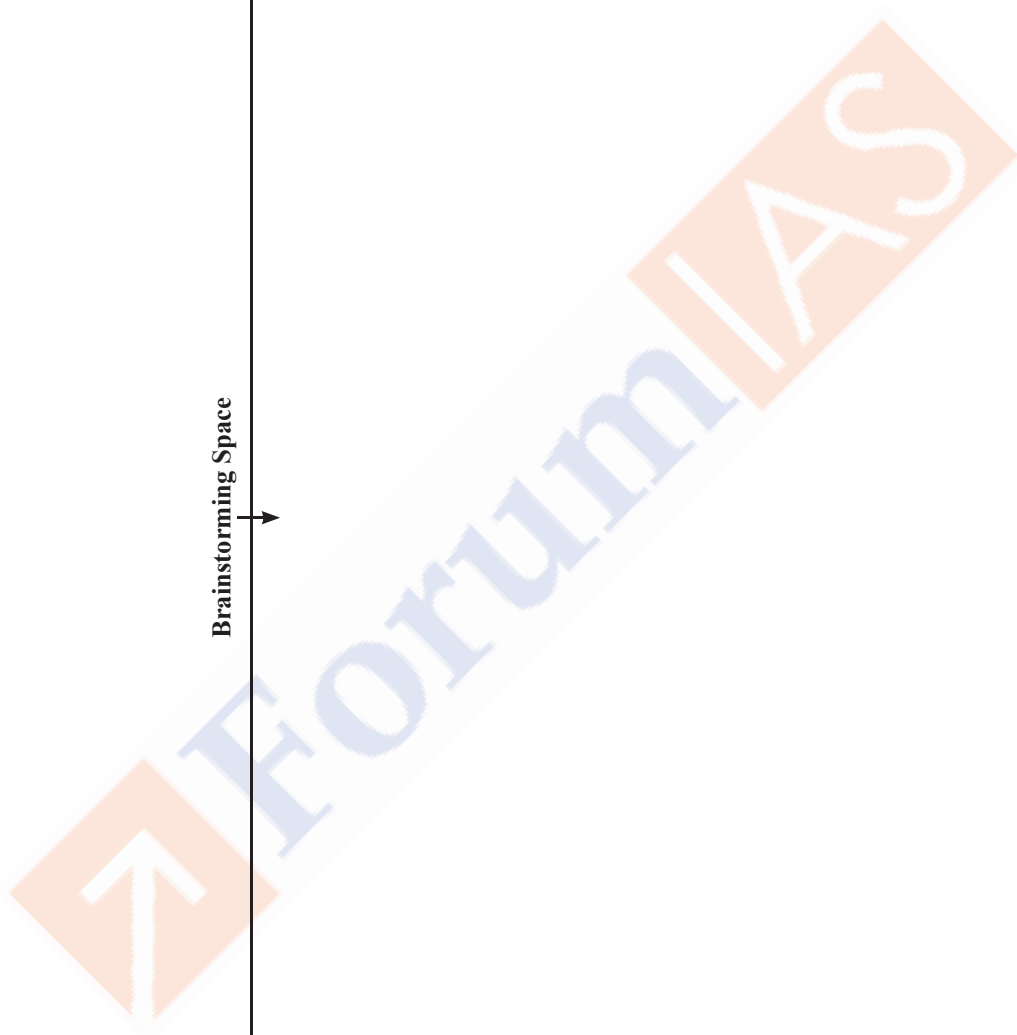
Brainstorming Space



**Q.51)** What is dryland agriculture? Discuss its importance to India.

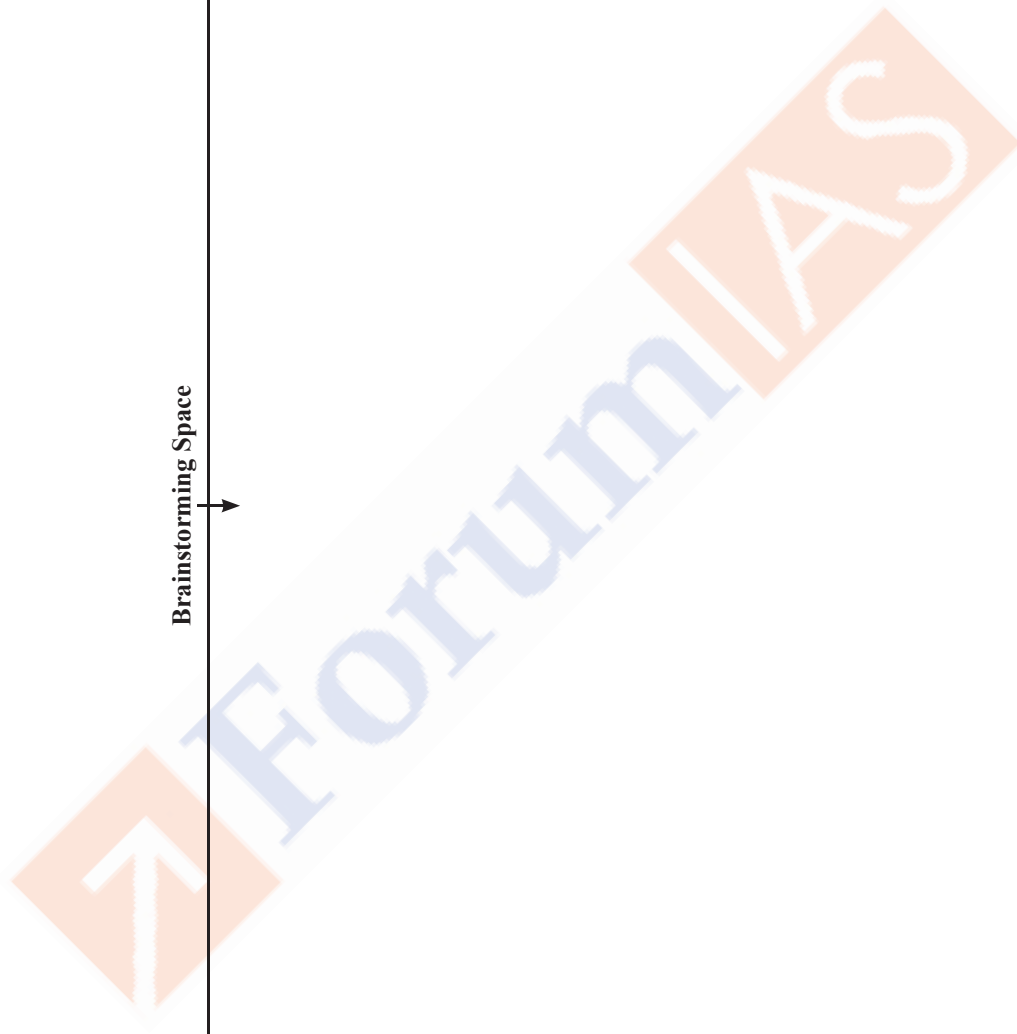
(10 Marks, 150 Words) [1994]

Brainstorming Space



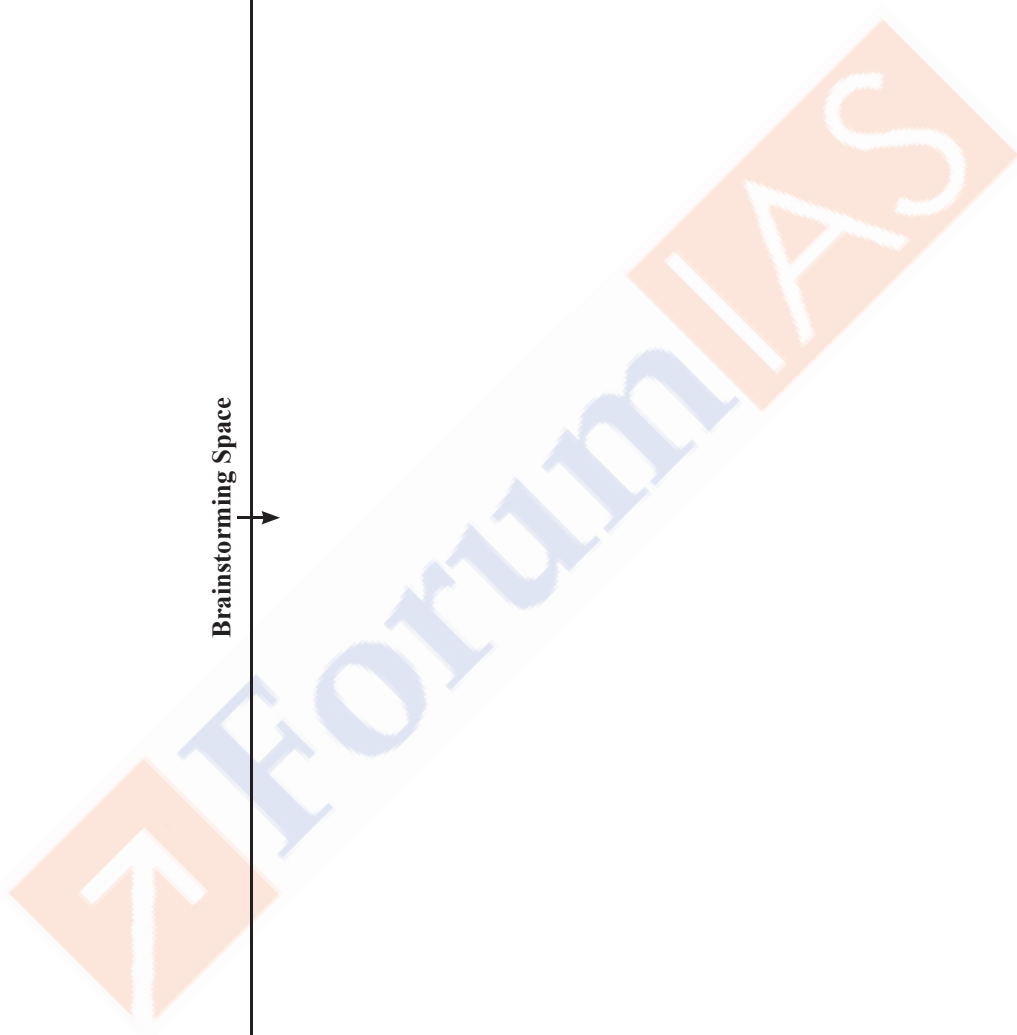
**Q.52)** Which part of India has developed comparatively more marine-based industries and why? (10 Marks, 150 Words) [1989]

Brainstorming Space



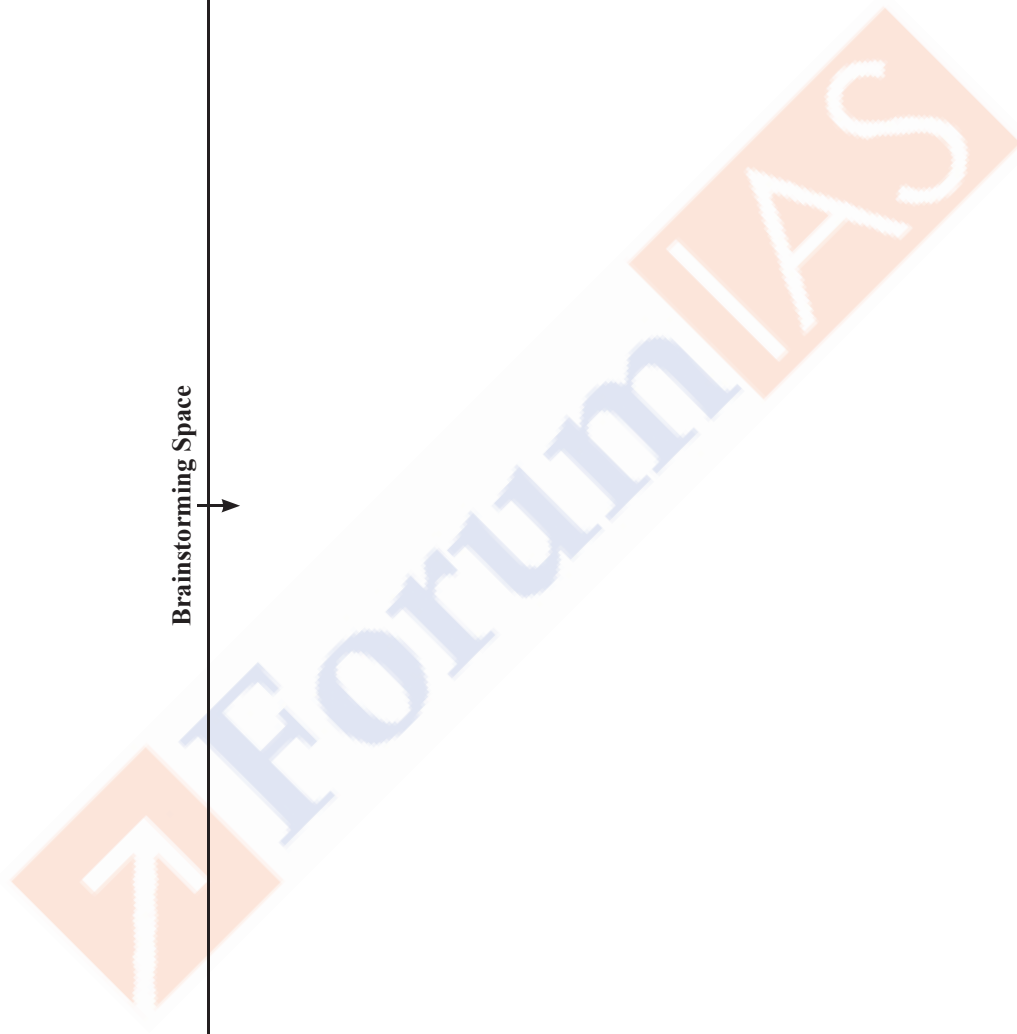
**Q.53)** What are the important wheat growing regions in India, and why are we now growing enough wheat in India to meet our own demand for it? (10 Marks, 150 Words) [1985]

Brainstorming Space



Q.54) What is shifting cultivation? Where in India has this been localized to? Consider its consequences and examine the steps taken by Government to prevent this practice. (10 Marks, 150 Words) [1981]

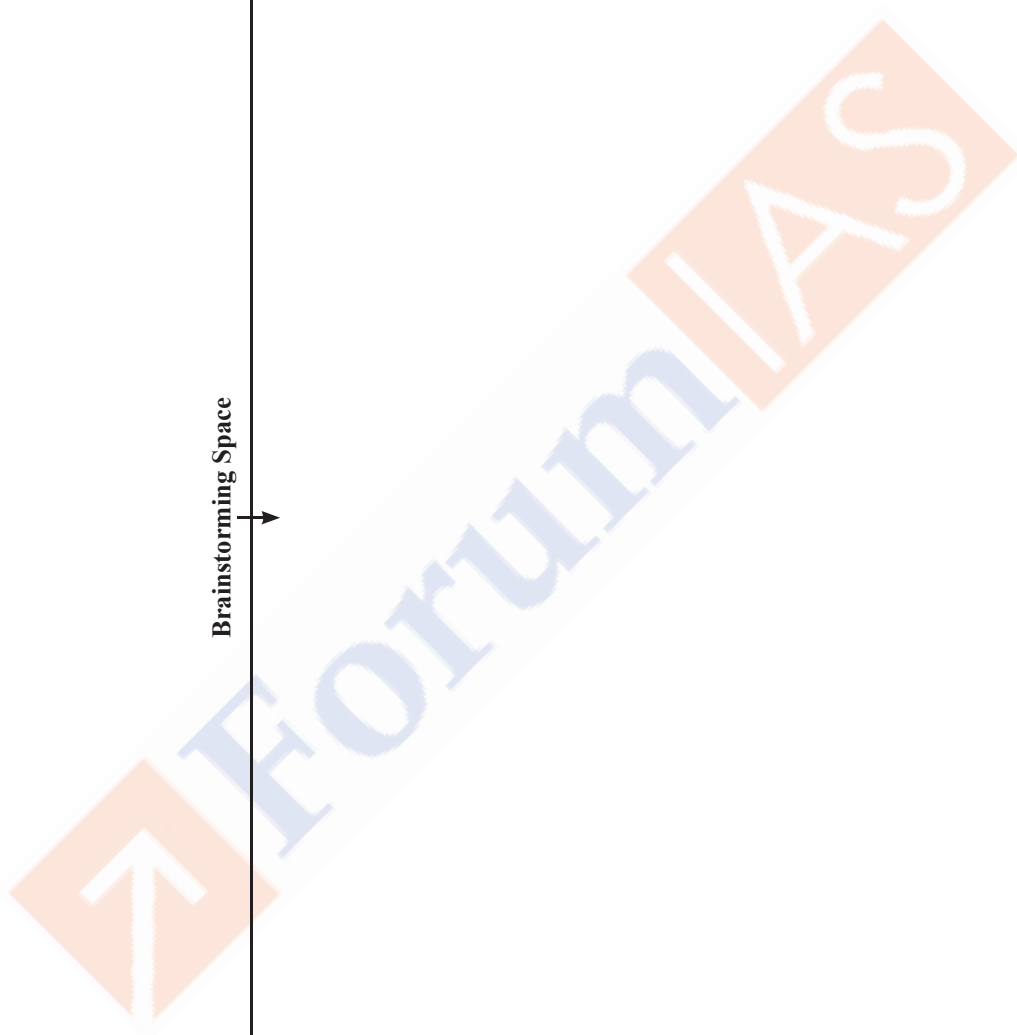
Brainstorming Space



**Q.55)** Name two major ports in India's eastern and western seacoasts and the major exports/imports through each of these ports.

(10 Marks, 150 Words) [1980]

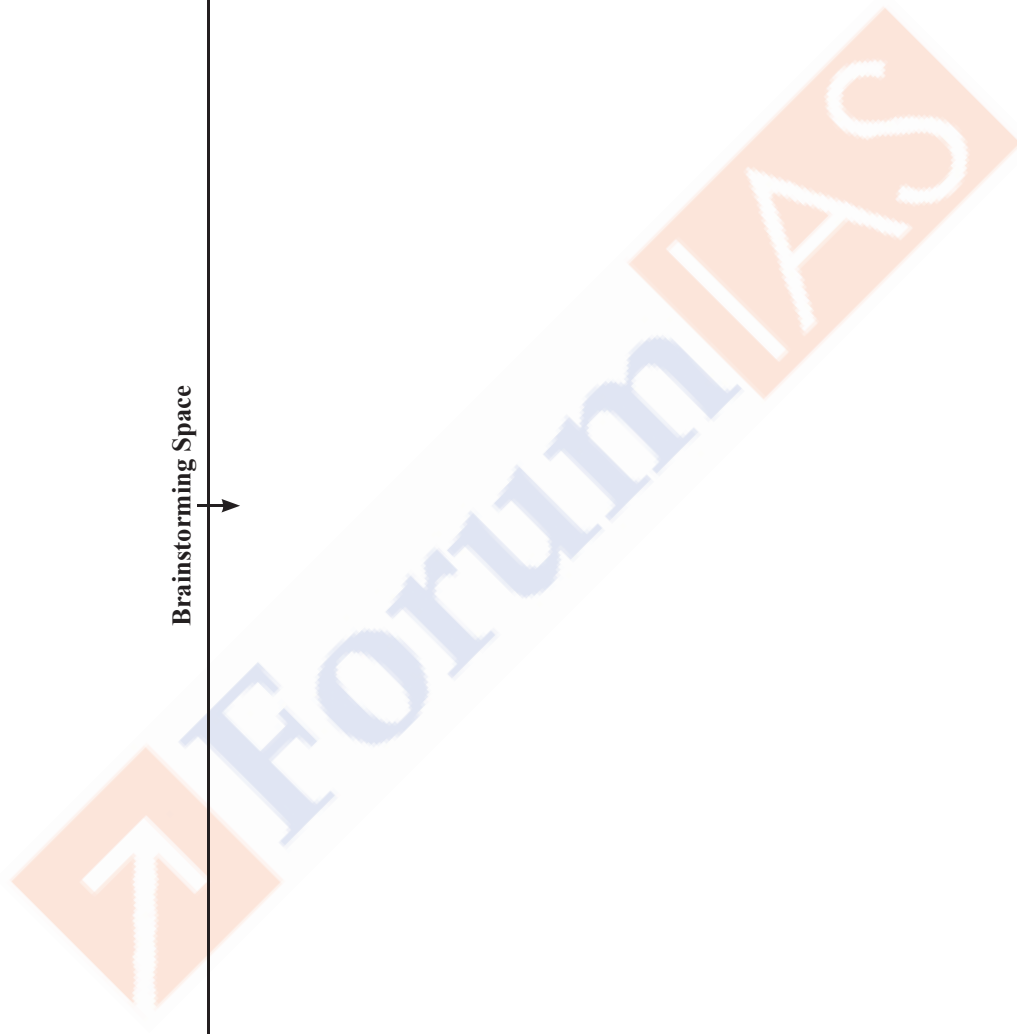
Brainstorming Space



**Q.56)** Explain briefly the ecological and economic benefits of solar energy generation in India with suitable examples.

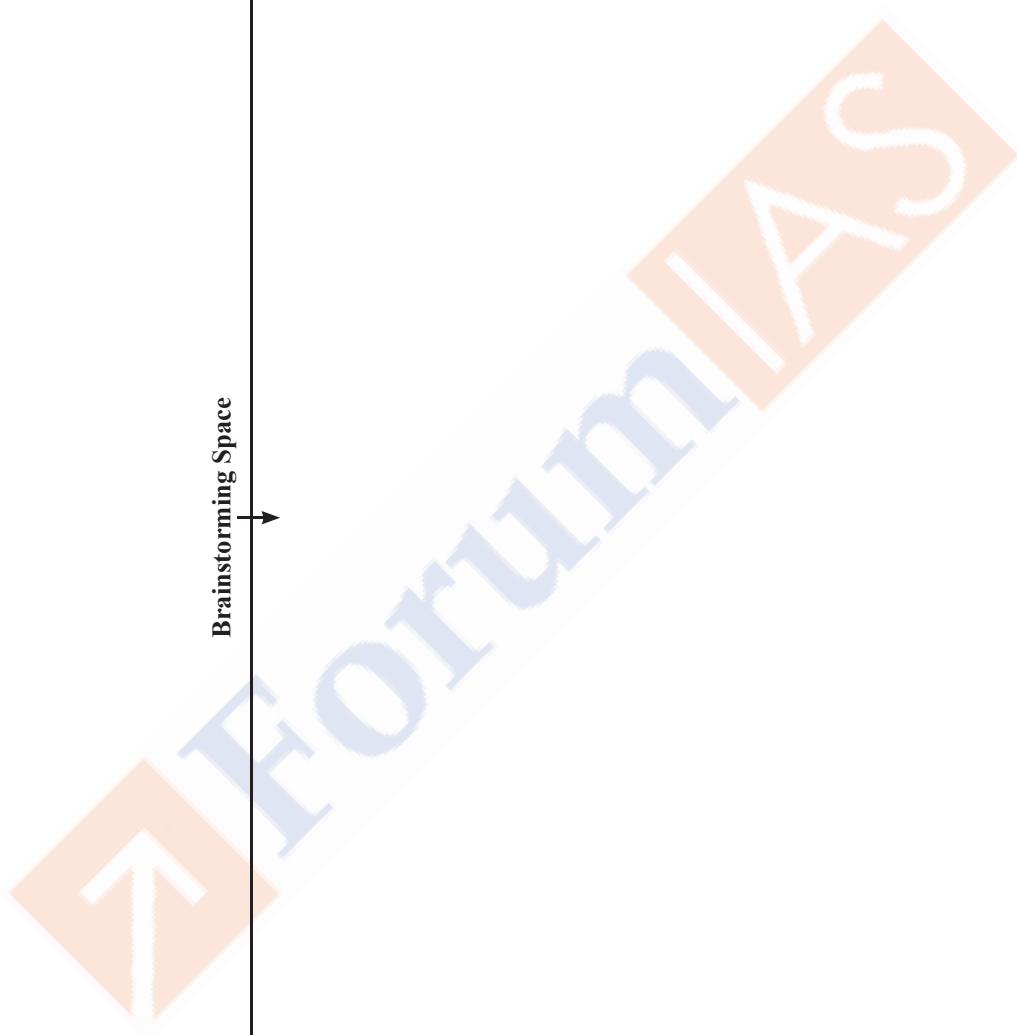
(10 Marks, 150 Words) [2025]

Brainstorming Space



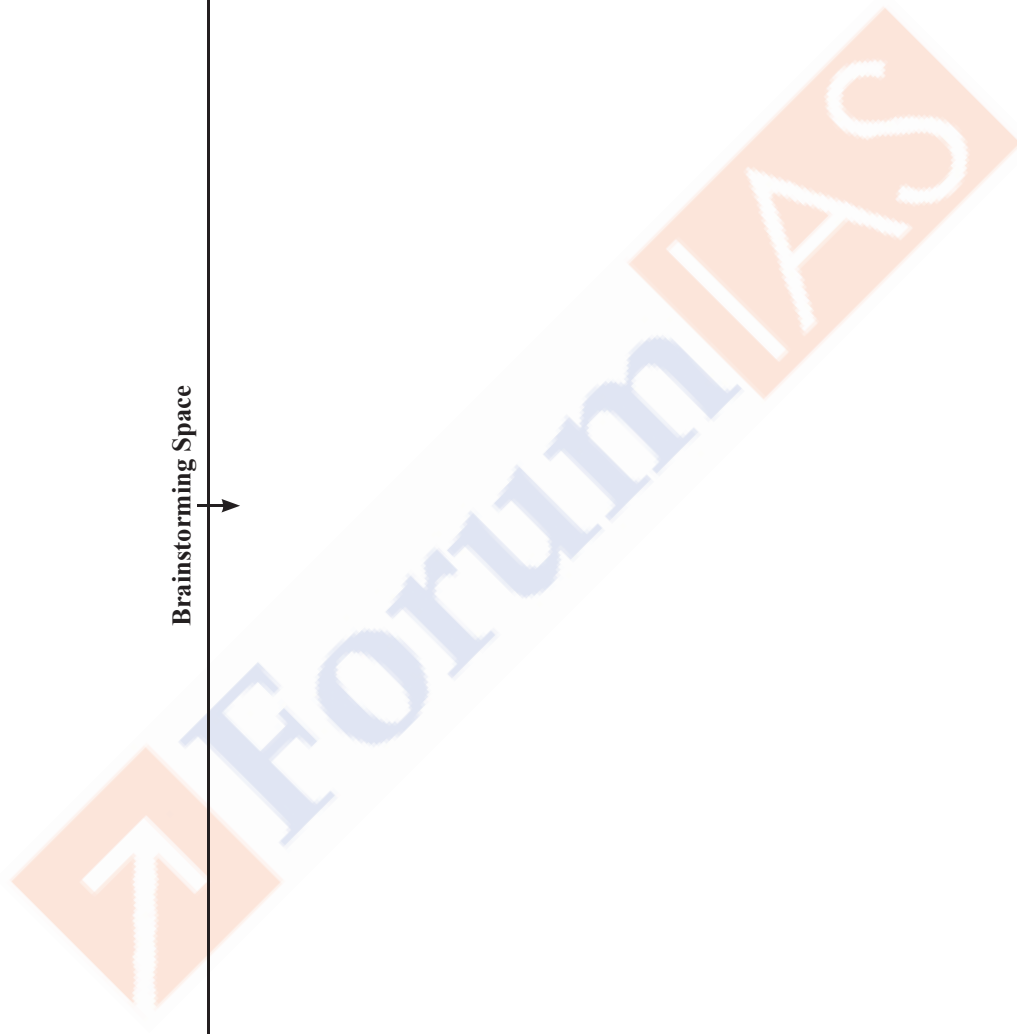
**Q.57)** Give a geographical explanation of the distribution of off-shore oil reserves of the world. How are they different from the on-shore occurrences of oil reserves. (15 Marks, 250 Words) [2025]

Brainstorming Space



**Q.58)** Comment on the resource potentials of the long coastline of India and highlight the status of natural hazard preparedness in these areas. (15 Marks, 250 Words) [2023]

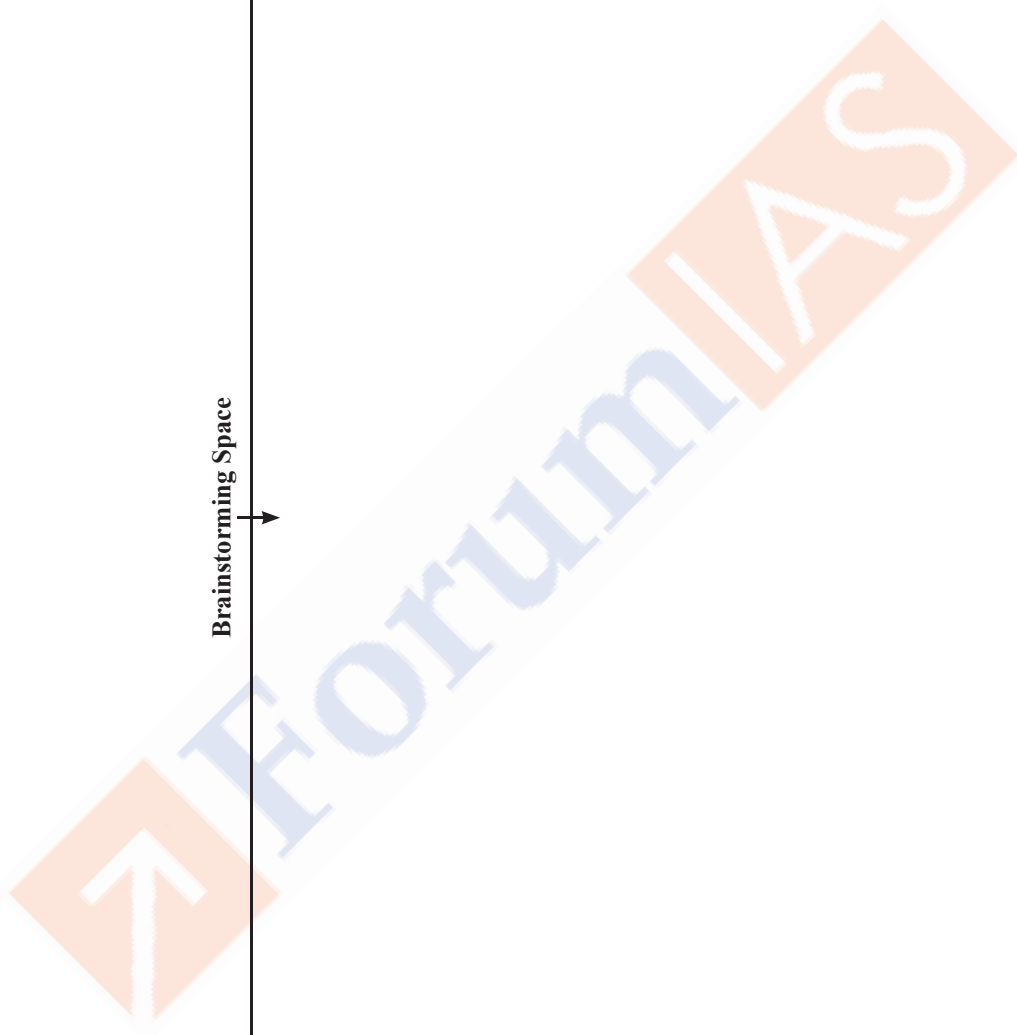
Brainstorming Space



**Q.59)** Discuss the natural resource potential of 'Deccan trap'.

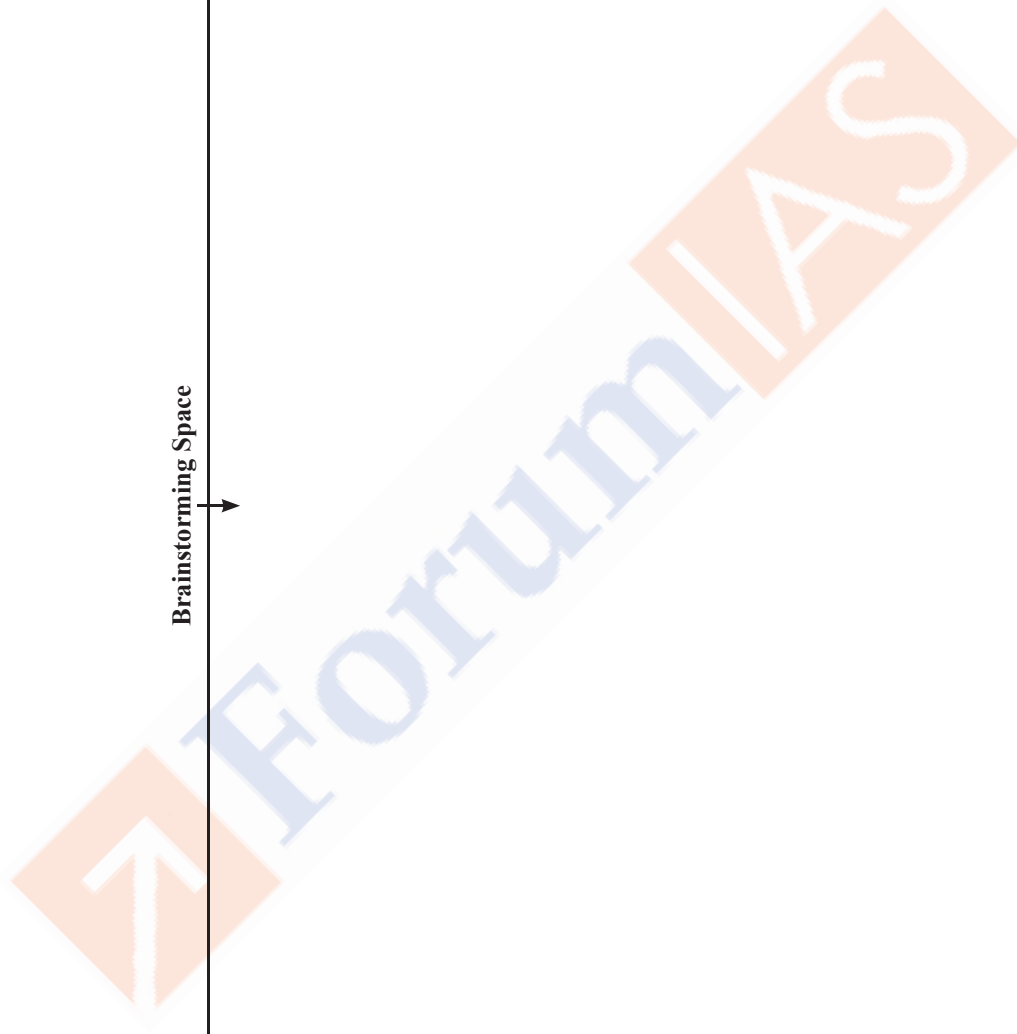
(10 Marks, 150 Words) [2022]

Brainstorming Space



**Q.60)** Despite India being one of the countries of the Gondwanaland, its mining industry contributes much less to its Gross Domestic Product (GDP) in percentage. Discuss. (10 Marks, 150 Words) [2021]

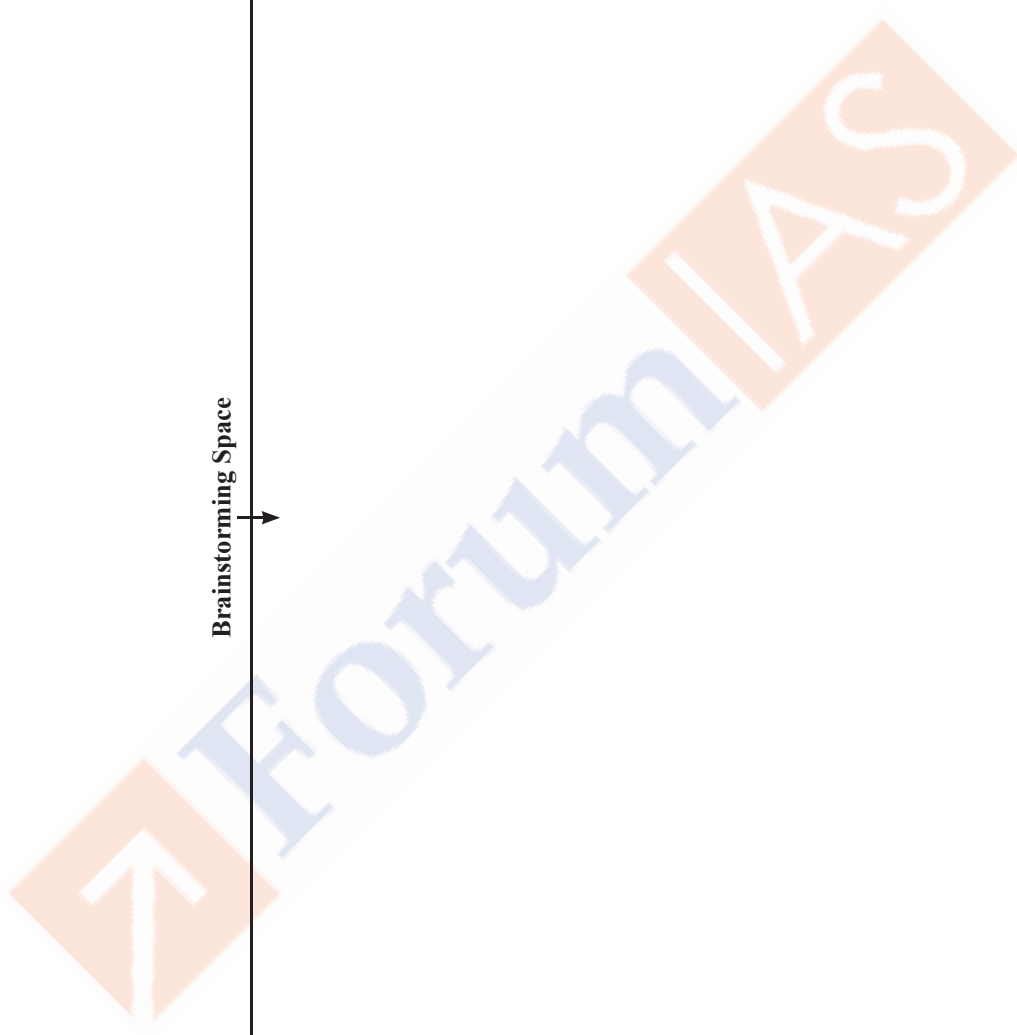
Brainstorming Space



**Q.61)** Account for the present location of iron and steel industries away from the source of raw material, by giving examples.

(10 Marks, 150 Words) [2020]

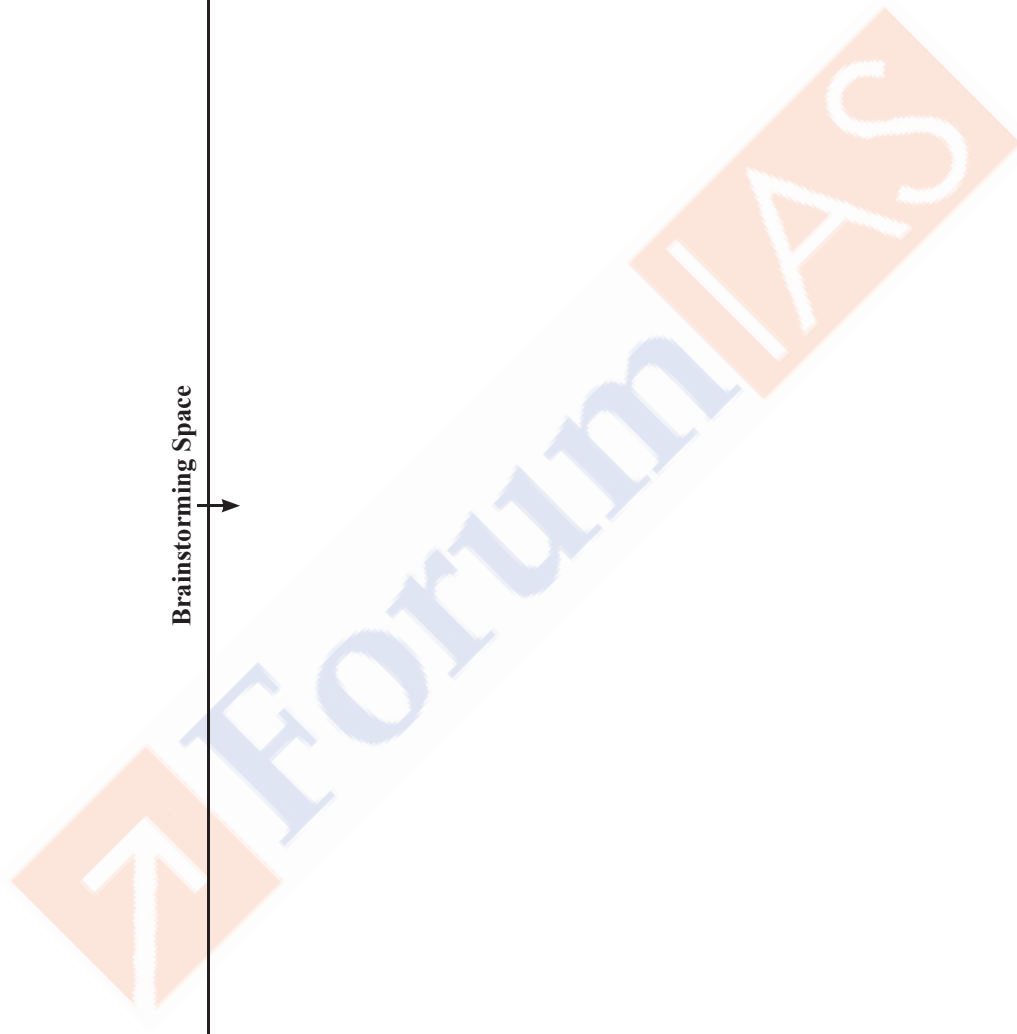
Brainstorming Space



**Q.62)** India has immense potential of solar energy though there are regional variations in its developments. Elaborate.

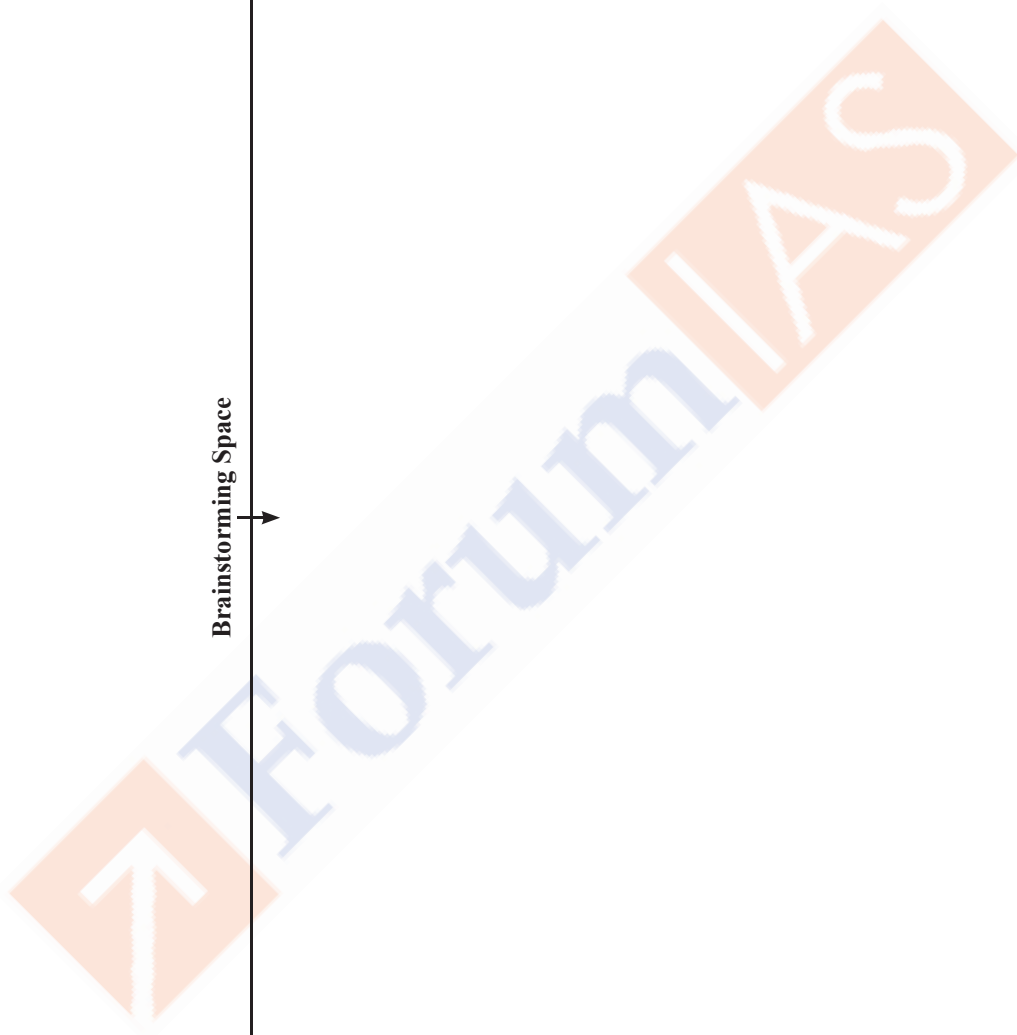
(15 Marks, 250 Words) [2020]

Brainstorming Space



**Q.63)** Can the strategy of regional-resource based manufacturing help in promoting employment in India? (10 Marks, 150 Words) [2019]

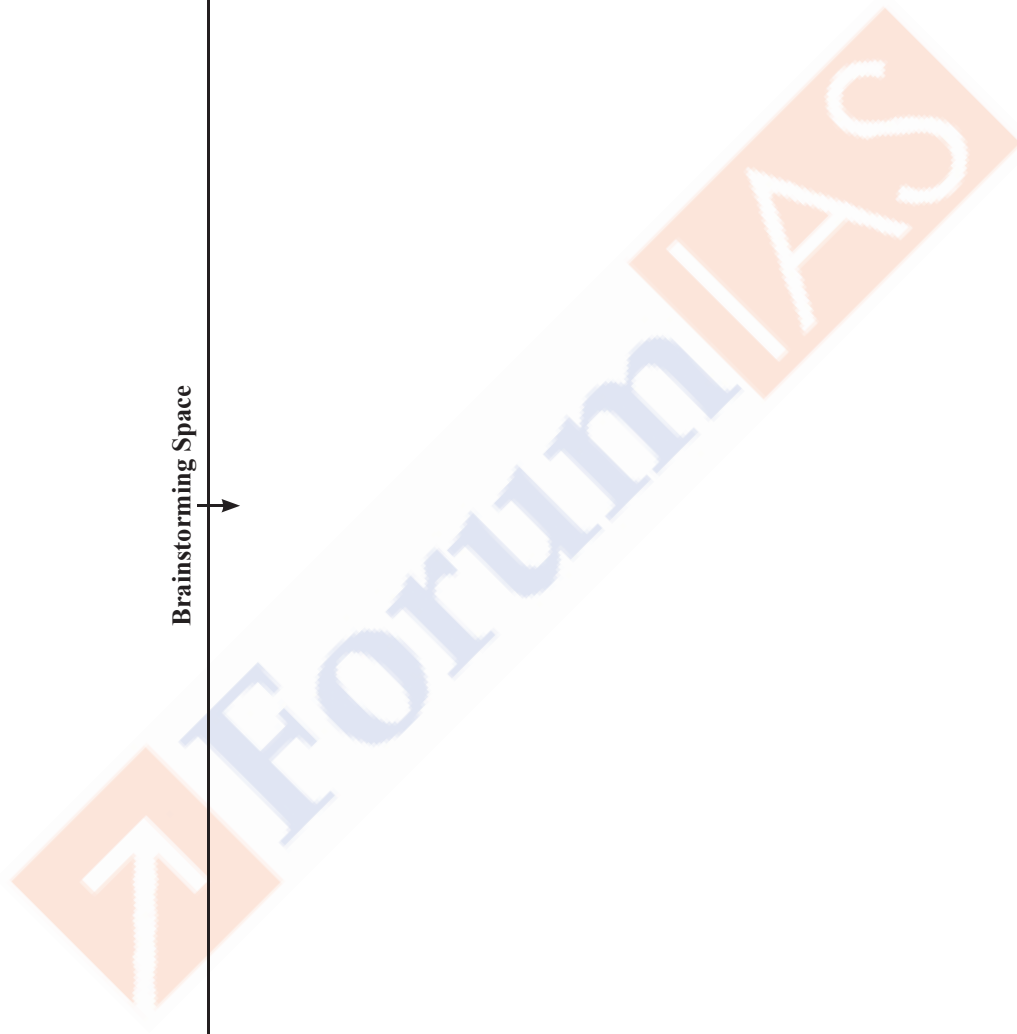
Brainstorming Space



Q.64) Why is India taking keen interest in the Arctic region?

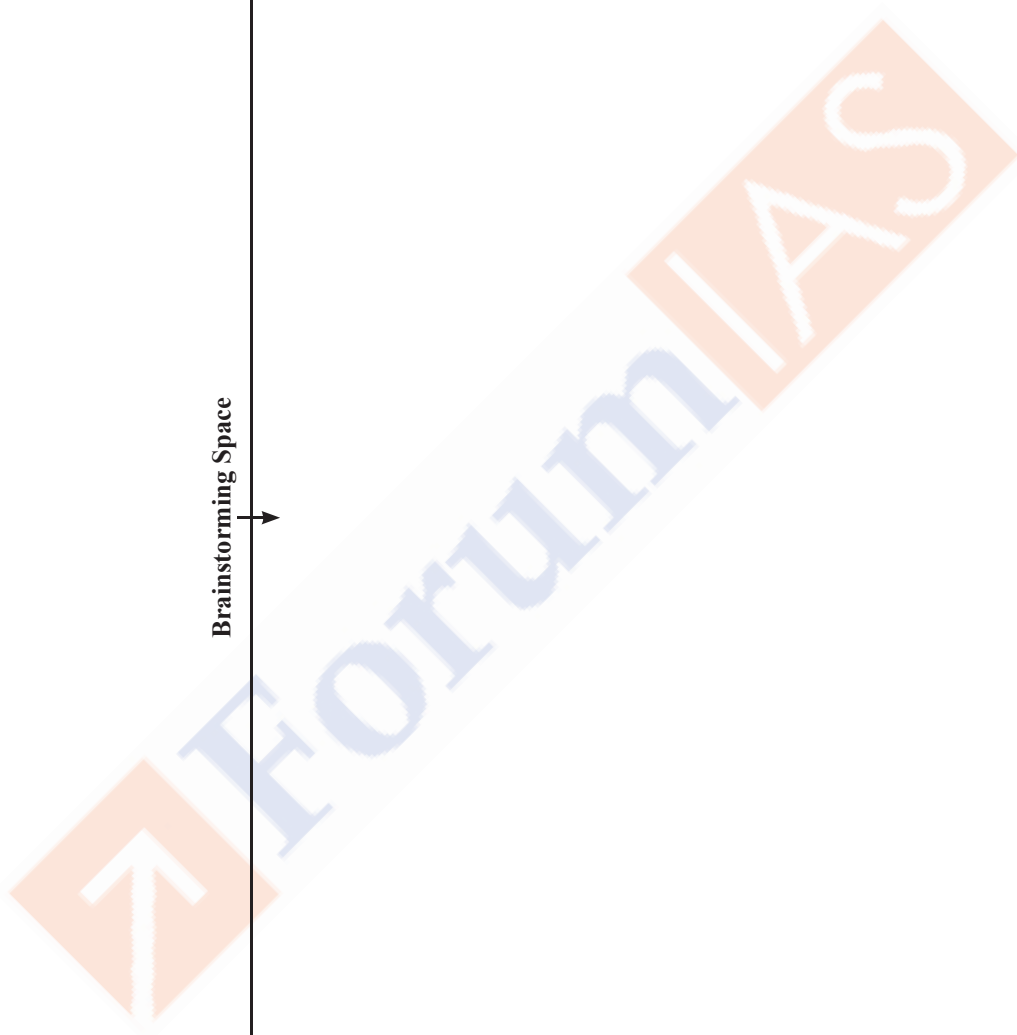
(10 Marks, 150 Words) [2018]

Brainstorming Space



**Q.65)** What are the consequences of spreading of 'Dead Zones' on marine ecosystem? (10 Marks, 150 Words) [2018]

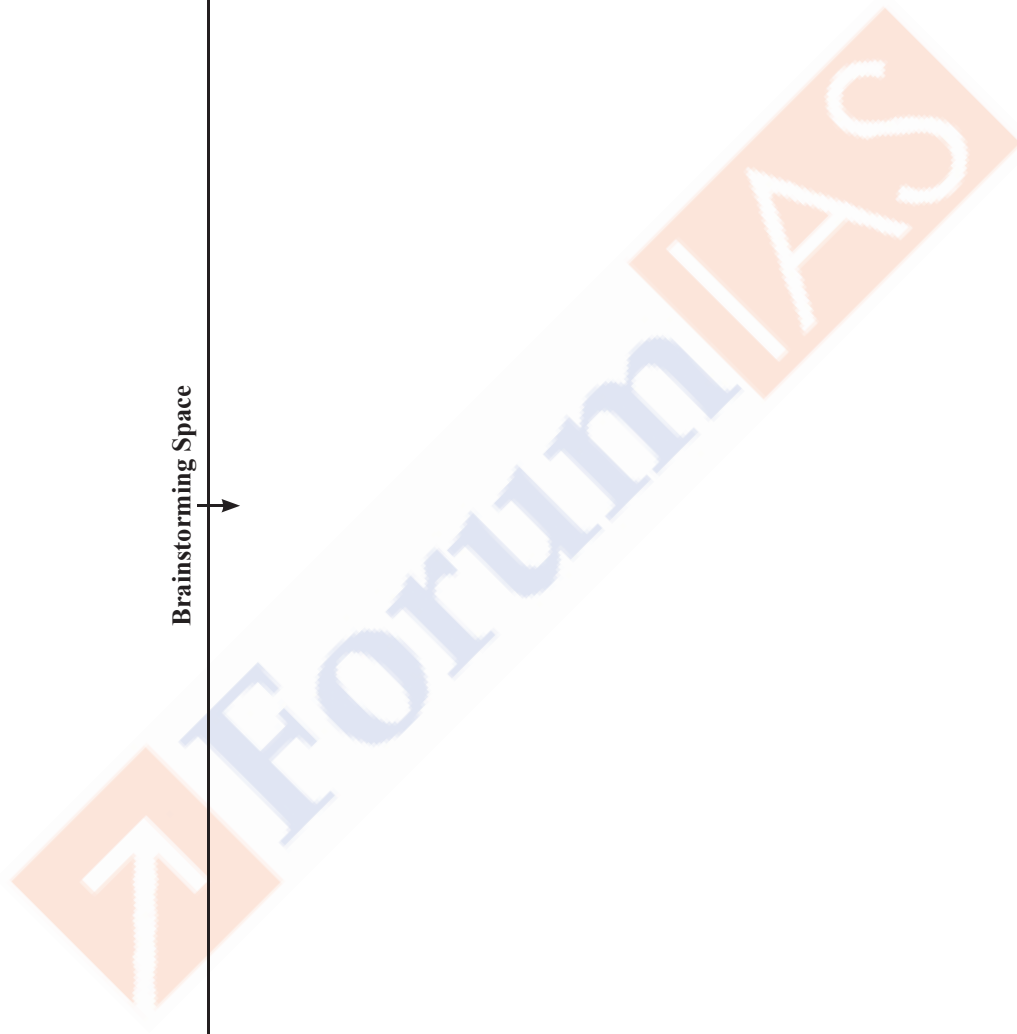
Brainstorming Space



**Q.66)** What is the significance of Industrial Corridors in India? Identifying industrial corridors, explain their main characteristics.

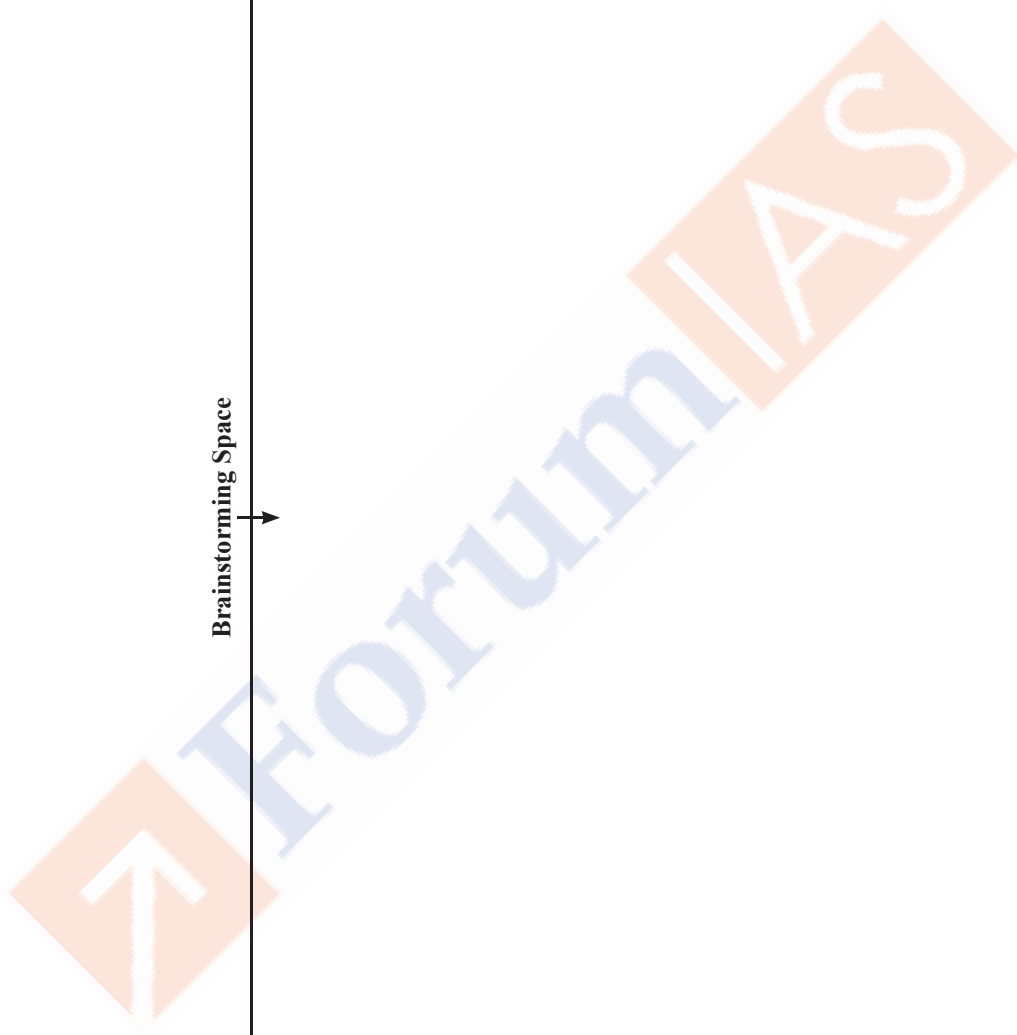
(15 Marks, 250 Words) [2018]

Brainstorming Space



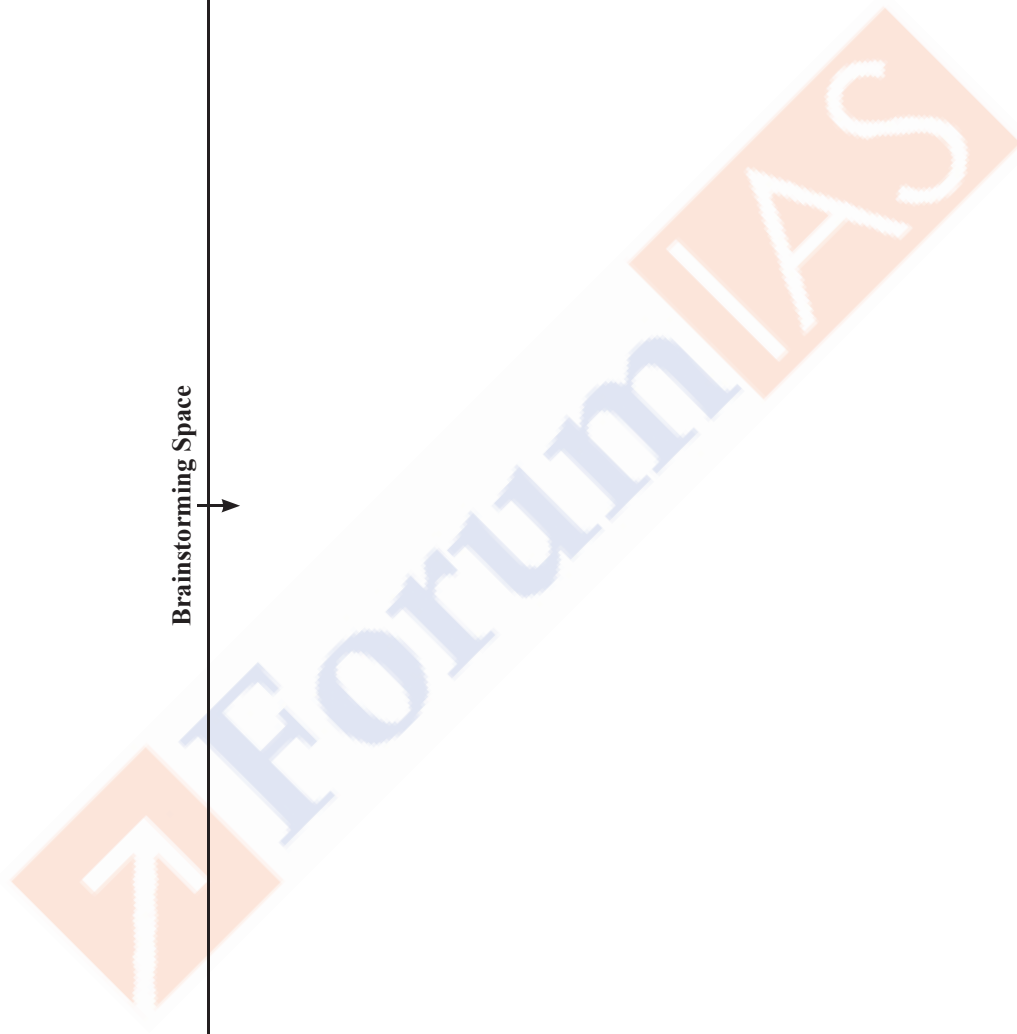
**Q.67)** In spite of adverse environmental impact, coal mining is still inevitable for development.' Discuss. (10 Marks, 150 Words) [2017]

Brainstorming Space



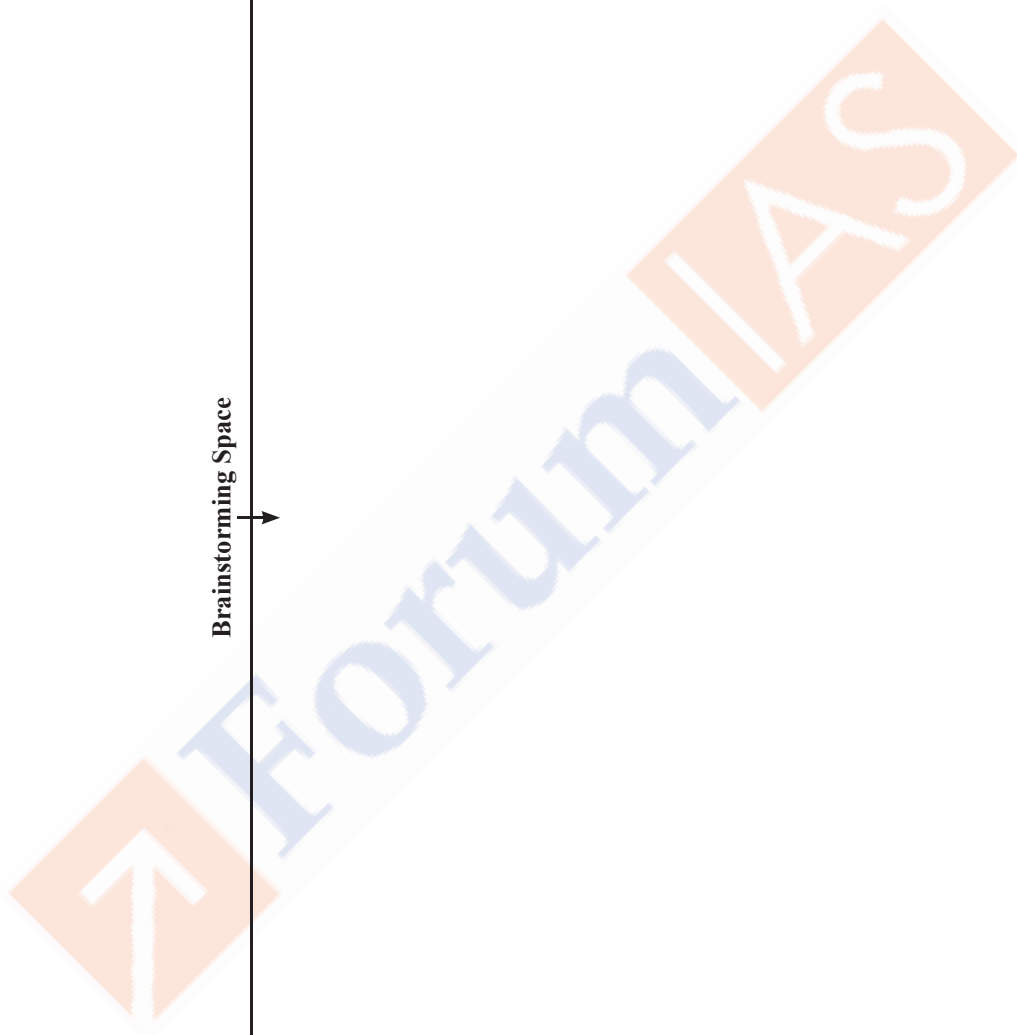
**Q.68)** Petroleum refineries are not necessarily located nearer to crude oil producing areas, particularly in many of the developing countries. Explain its implications. (15 Marks, 250 Words) [2017]

Brainstorming Space



**Q.69)** South China Sea has assumed great geopolitical significance in the present context. Comment. (12.5 Marks, 200 Words) [2016]

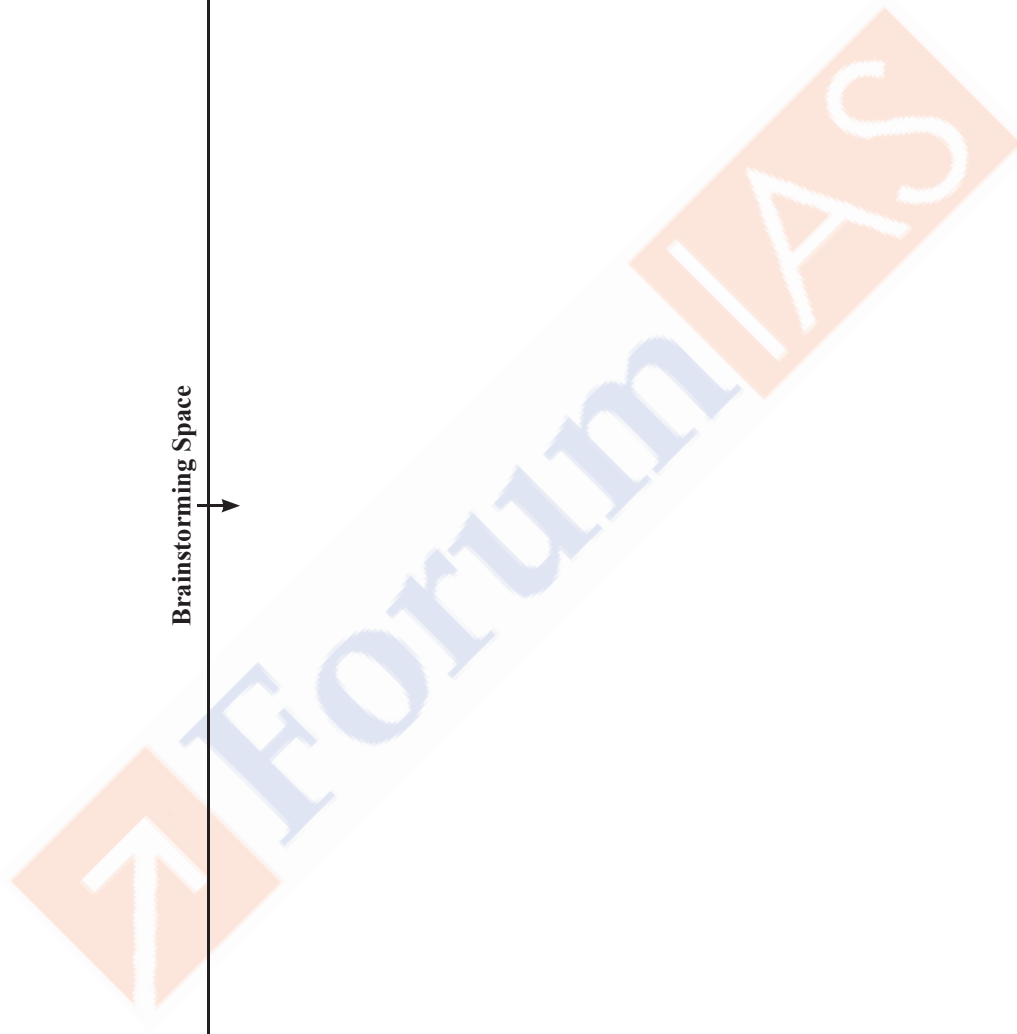
Brainstorming Space



**Q.70)** What are the economic significances of discovery of oil in Arctic Sea and its possible environmental consequences?

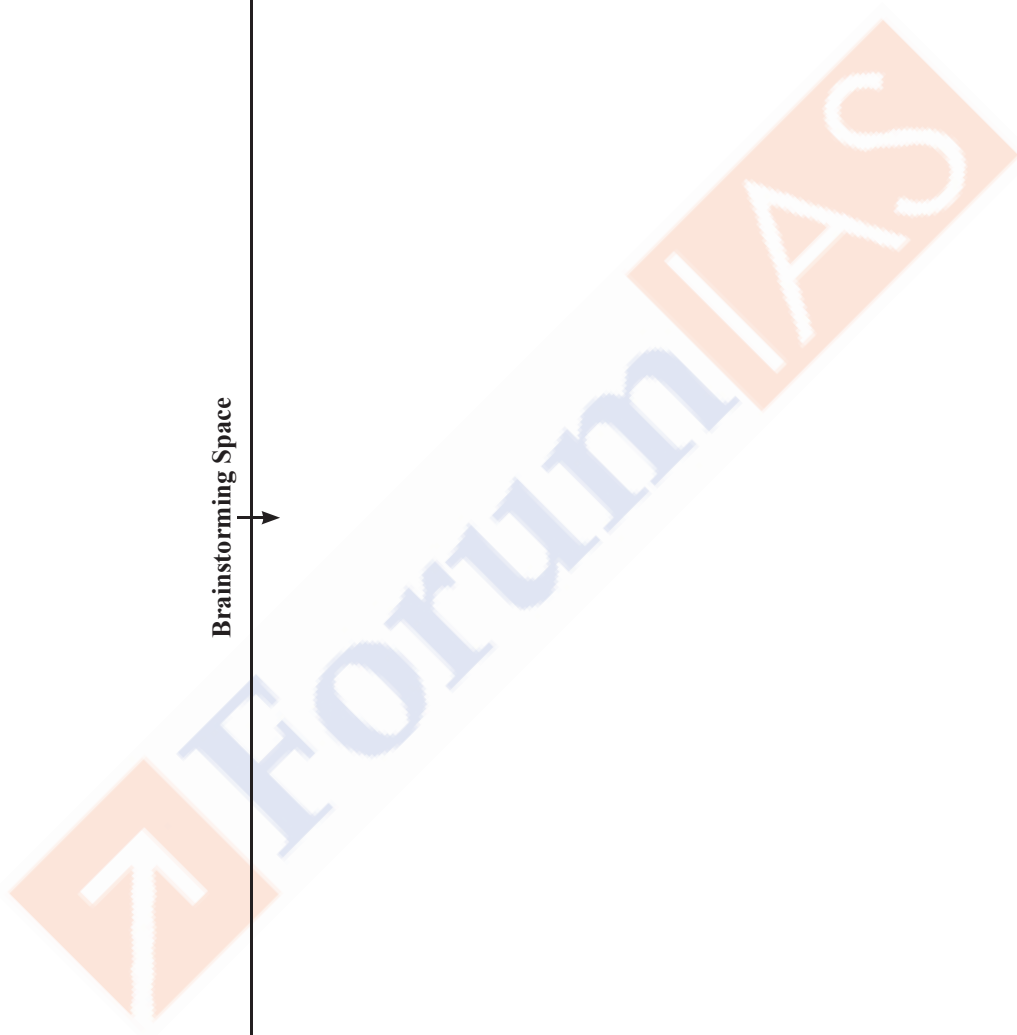
(12.5 Marks, 200 Words) [2015]

Brainstorming Space



**Q.71)** Account for the change in the spatial pattern of the Iron and Steel industry in the world. (12.5 Marks, 200 Words) [2014]

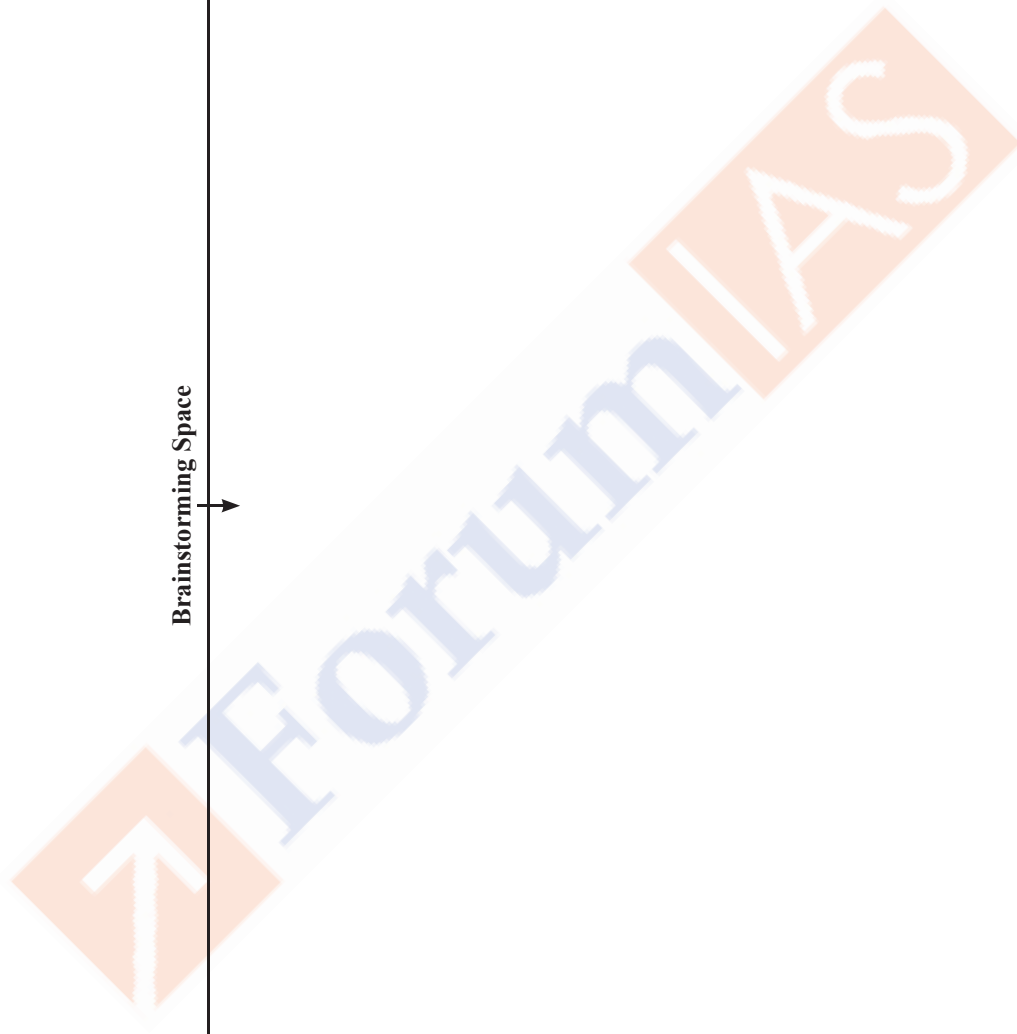
Brainstorming Space



**Q.72)** Critically evaluate the various resources of the oceans which can be harnessed to meet the resource crisis in the world.

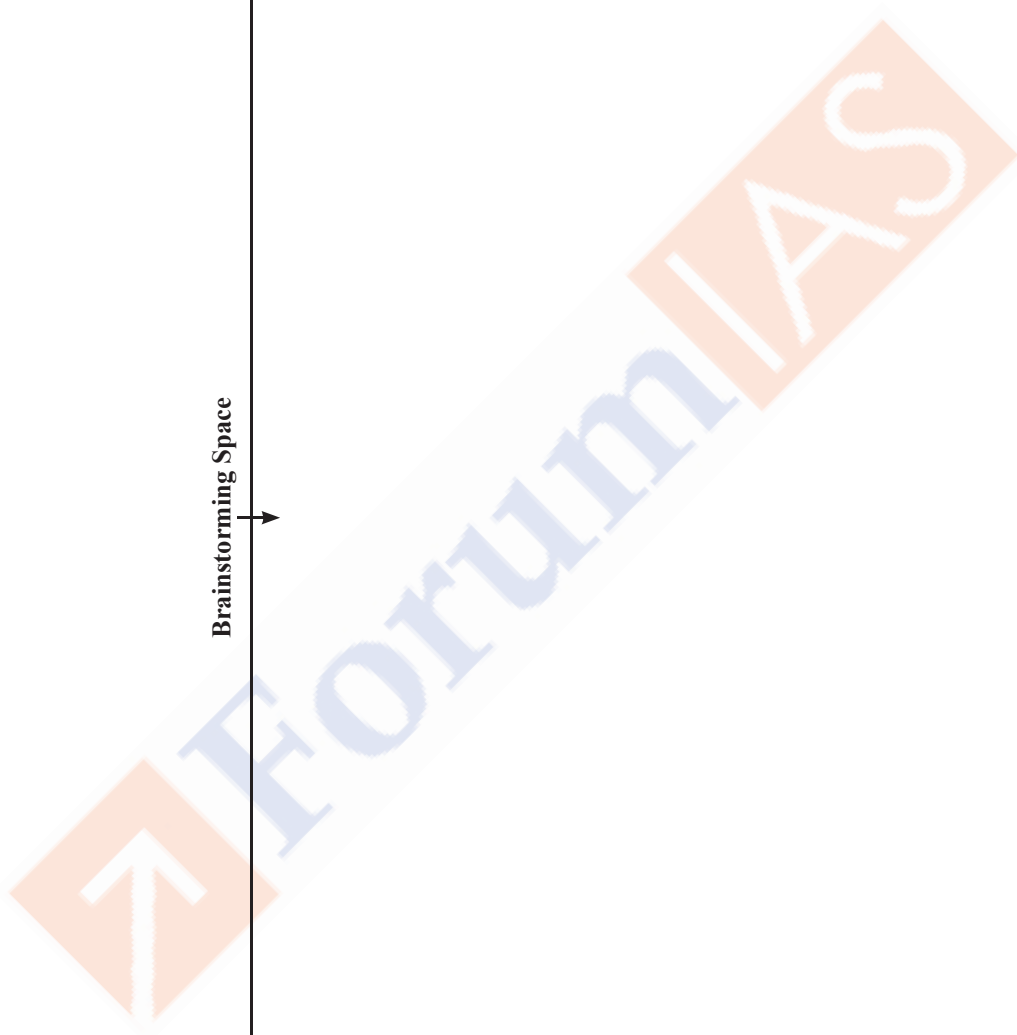
(12.5 Marks, 200 Words) [2014]

Brainstorming Space



**Q.73)** How does India see its place in the economic space of rising natural resources rich Africa? (12.5 Marks, 200 Words) [2014]

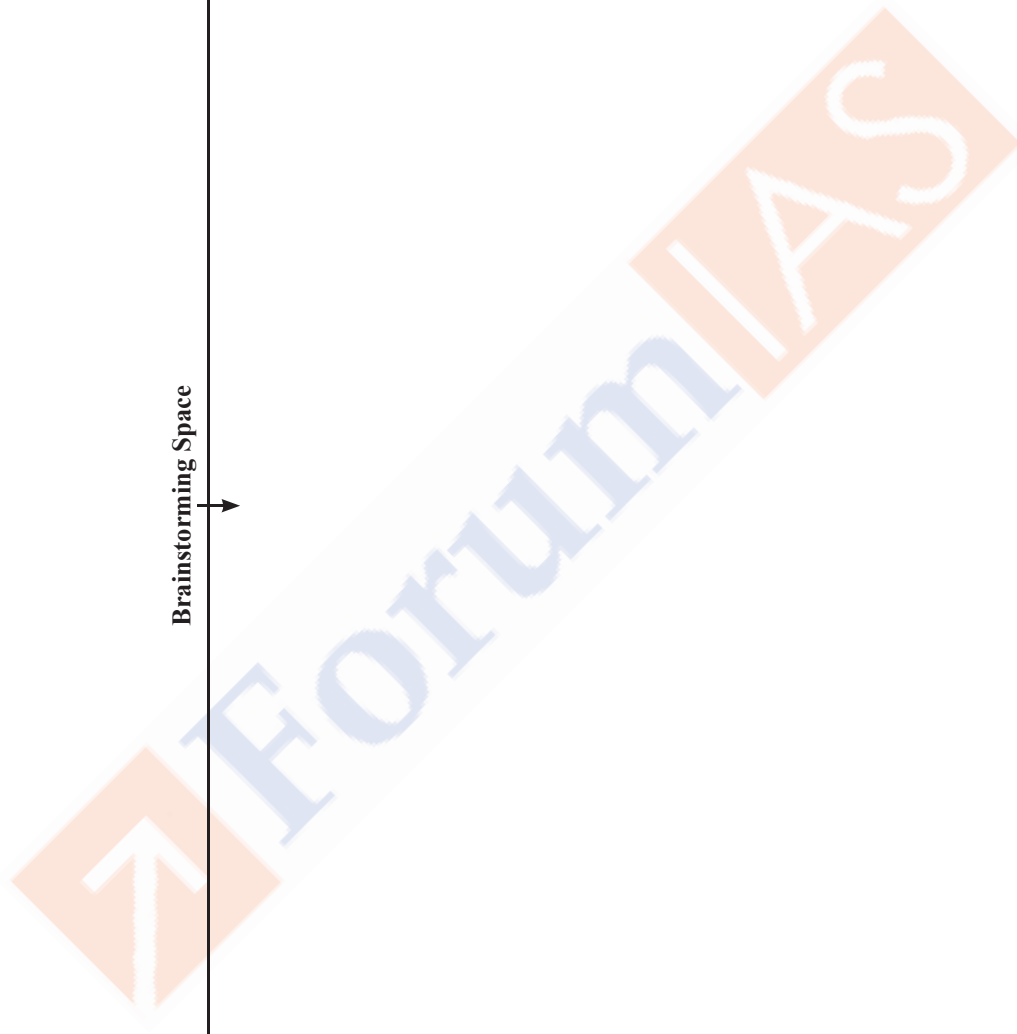
Brainstorming Space



**Q.74)** Do you agree that there is a growing trend of opening new sugar mills in southern states of India? Discuss with justification.

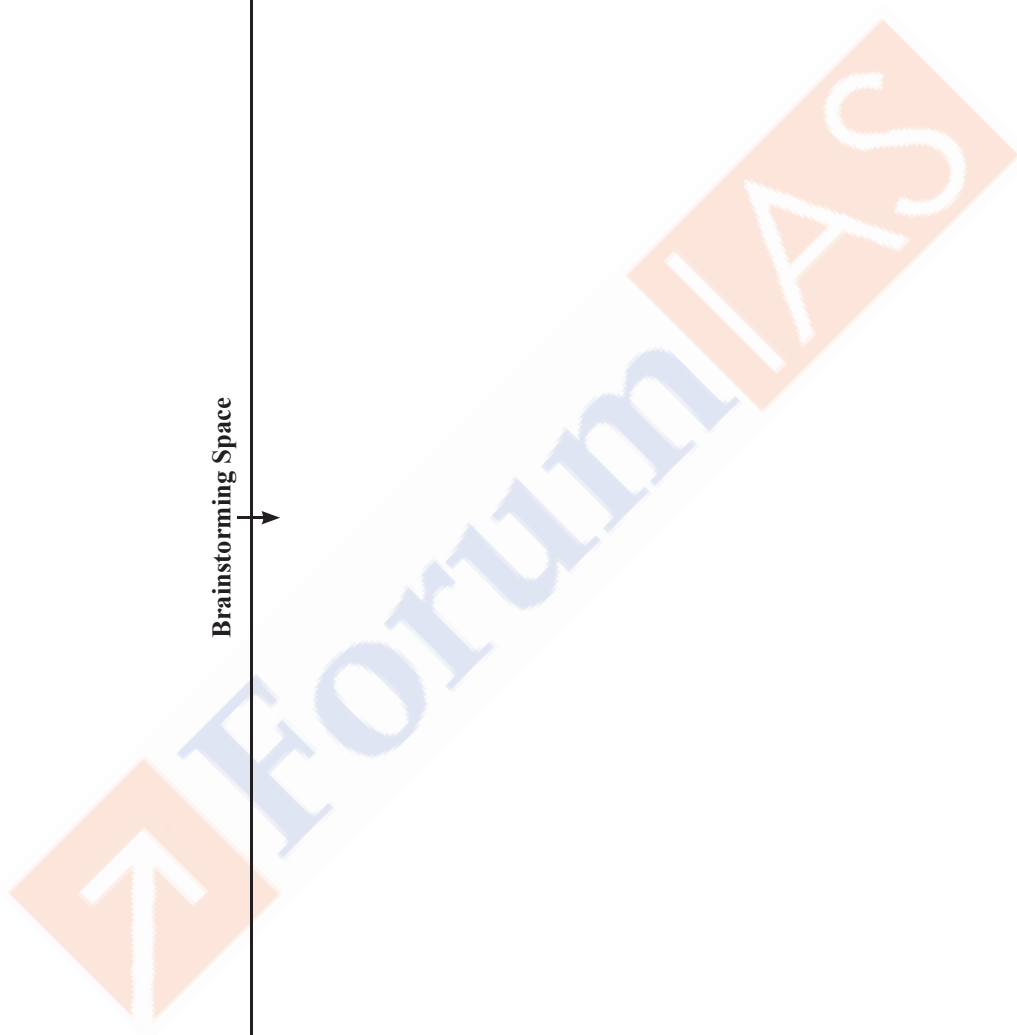
(10 Marks, 150 Words) [2013]

Brainstorming Space



**Q.75)** Analyse the factors for the highly decentralized cotton textile industry in India. (10 Marks, 150 Words) [2013]

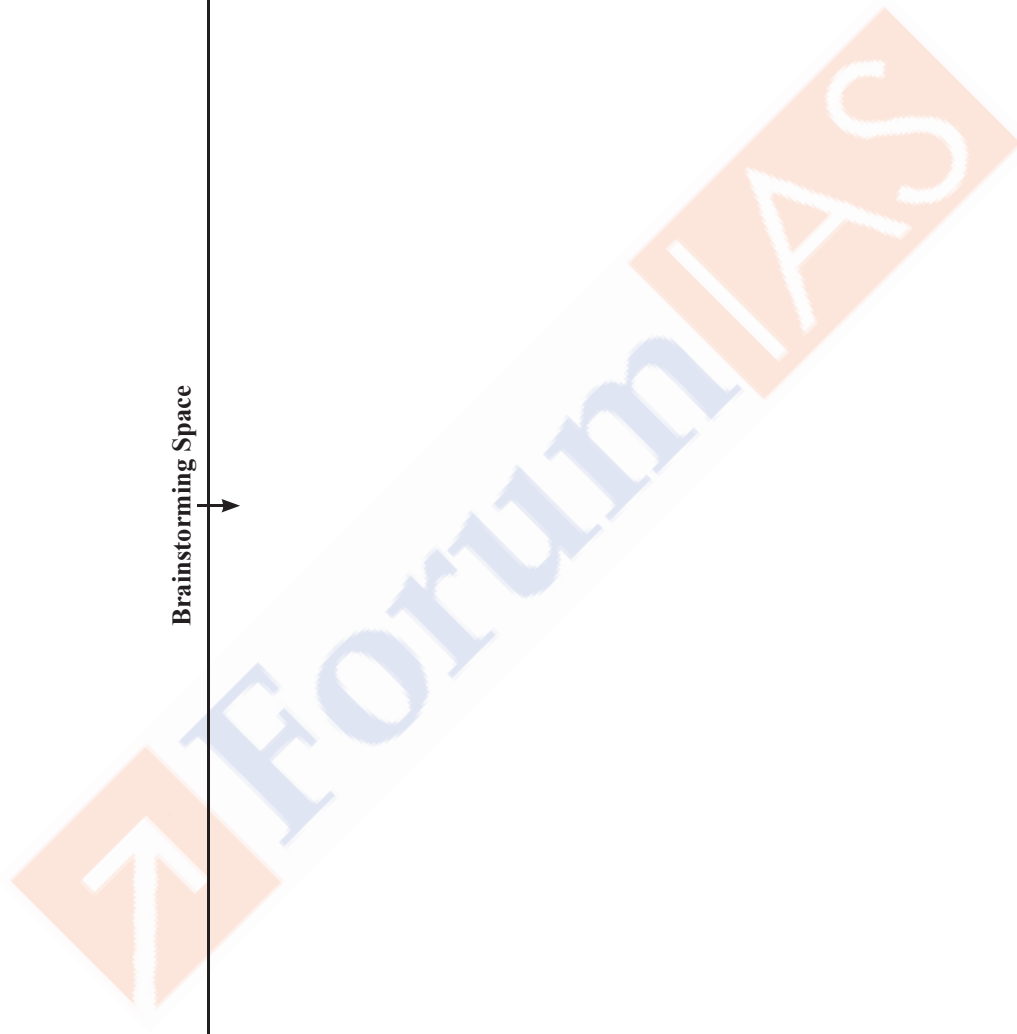
Brainstorming Space



**Q.76)** With growing scarcity of fossil fuels, the atomic energy is gaining more and more significance in India. Discuss the availability of raw material required for the generation of atomic energy in India and in the world.

(12.5 Marks, 200 Words) [2013]

Brainstorming Space



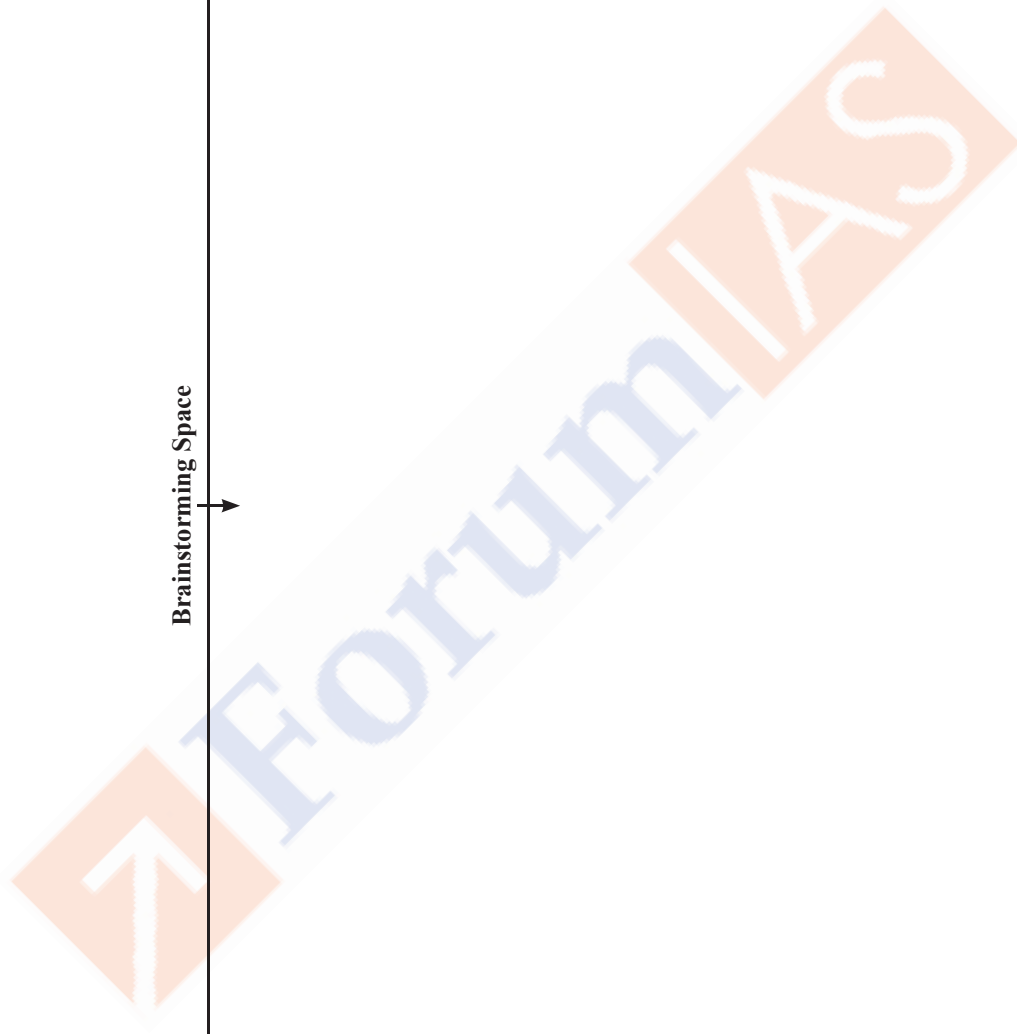
**Q.77)** India has substantial reserves of shale oil and gas, which can feed the needs of the country for quarter century. However, tapping of the resource does not appear to be high on the agenda. Discuss critically the availability and issues involved. (12.5 Marks, 200 Words) [2013]

Brainstorming Space

**Q.78)** Examine the distribution of oil refineries in India.

(10 Marks, 150 Words) [2004]

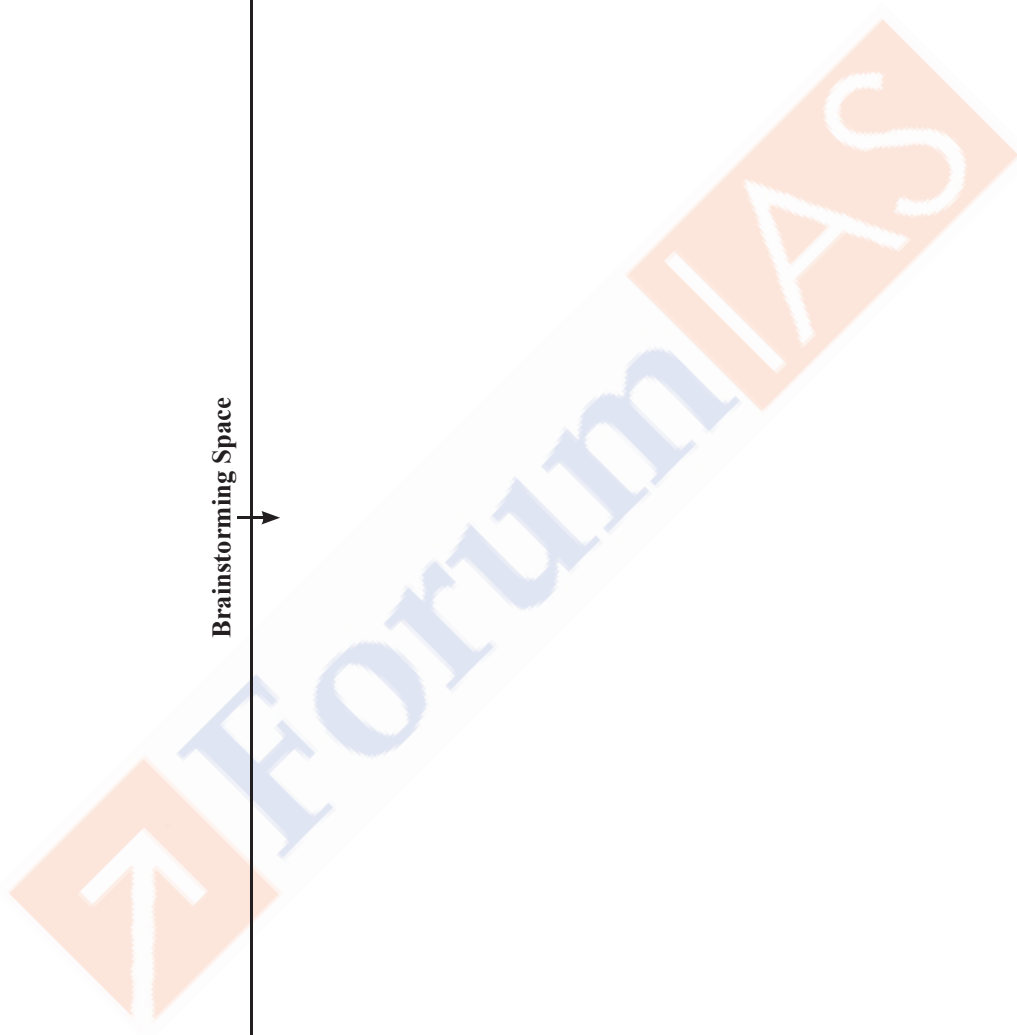
Brainstorming Space



**Q.79)** Account for the very high concentration of salt extraction industries in the Saurashtra and South Tamil Nadu Coast.

(10 Marks, 150 Words) [2003]

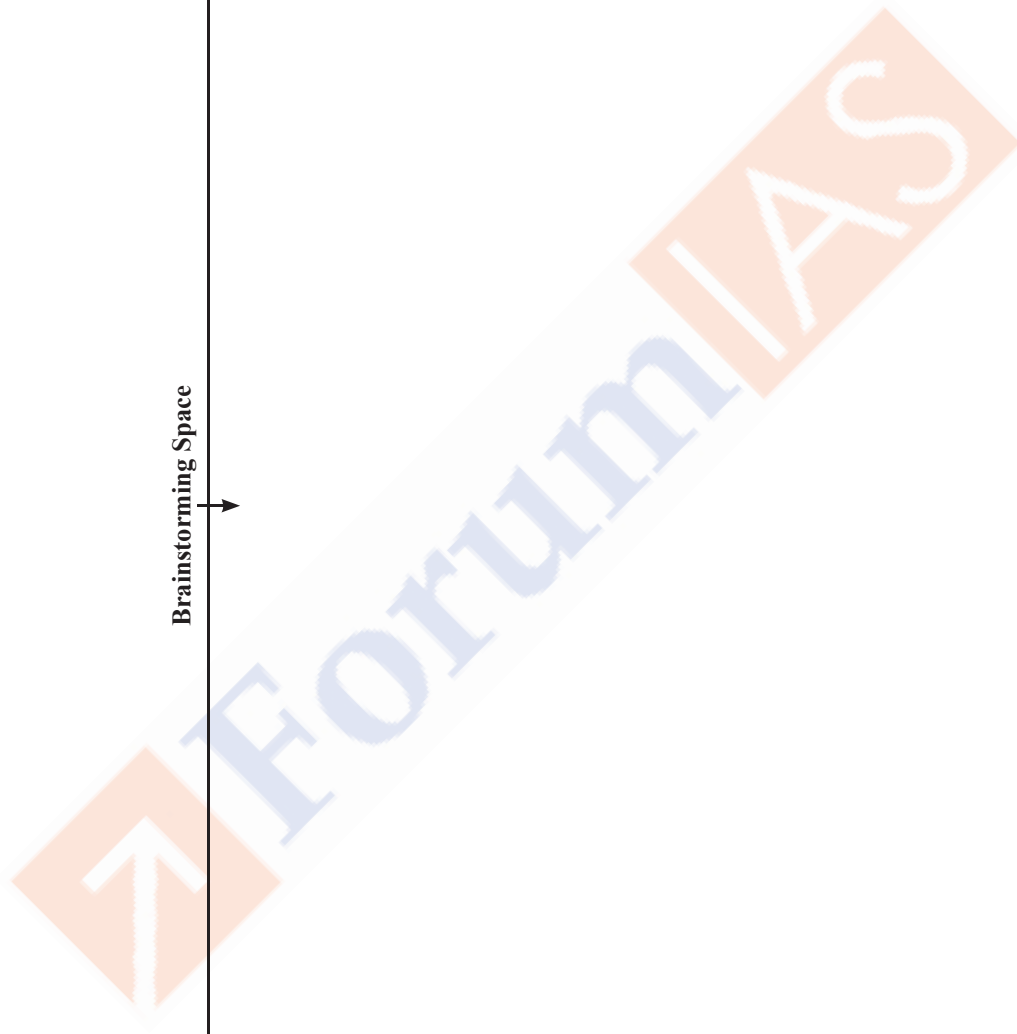
Brainstorming Space



**Q.80)** Give an account of the tea plantations of Assam and West Bengal and state the economic significance of these plantations.

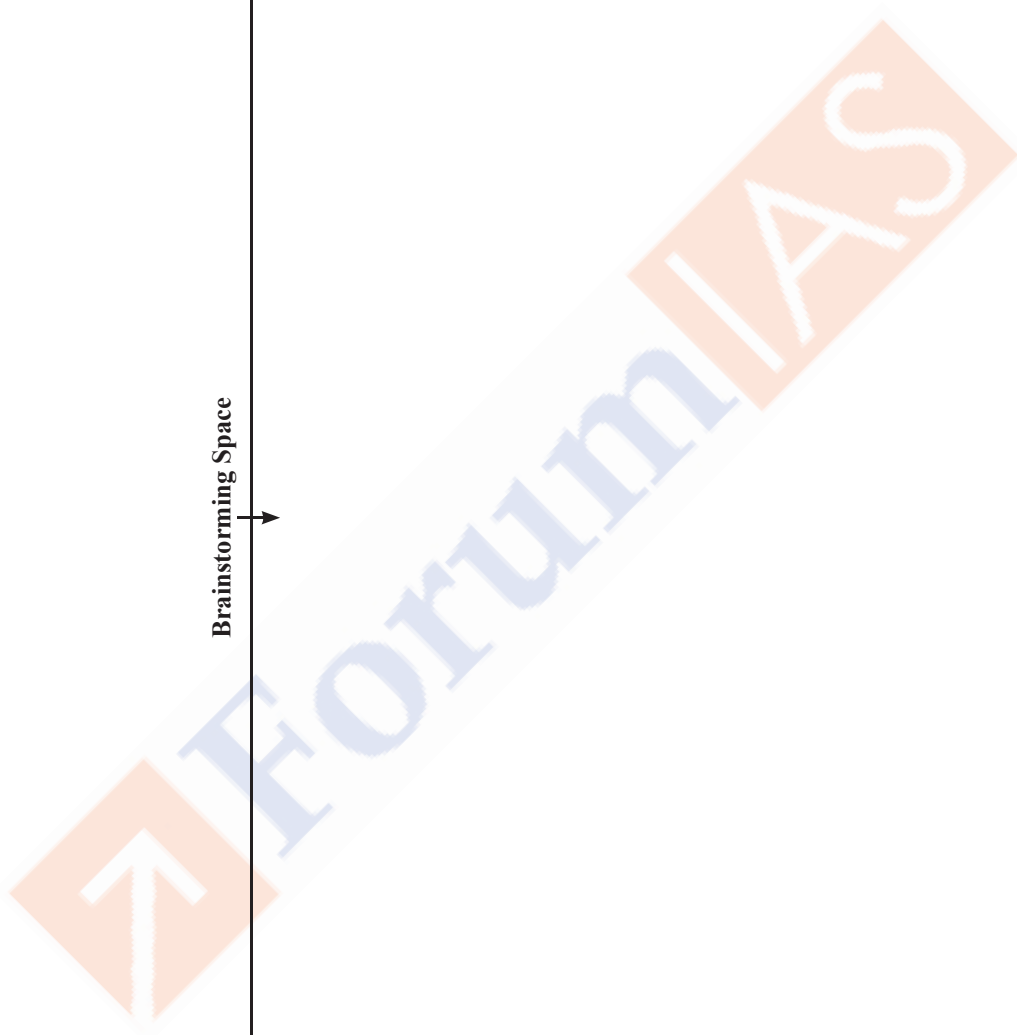
(10 Marks, 150 Words) [2002]

Brainstorming Space



**Q.81)** What is Deep-water Oil Exploration? What are its prospects in India?  
(10 Marks, 150 Words) [1999]

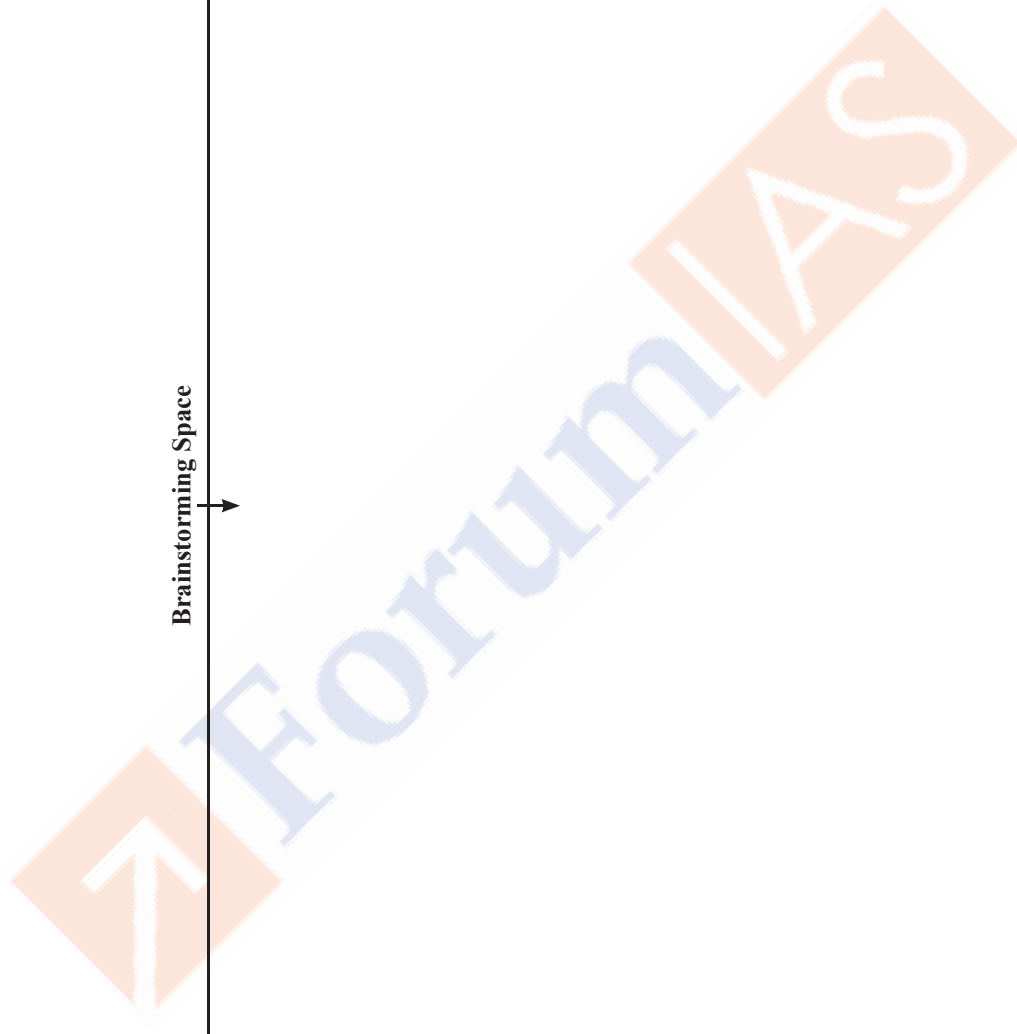
Brainstorming Space



Q.82) What is the importance of Indian Ocean for India?

(10 Marks, 150 Words) [1999]

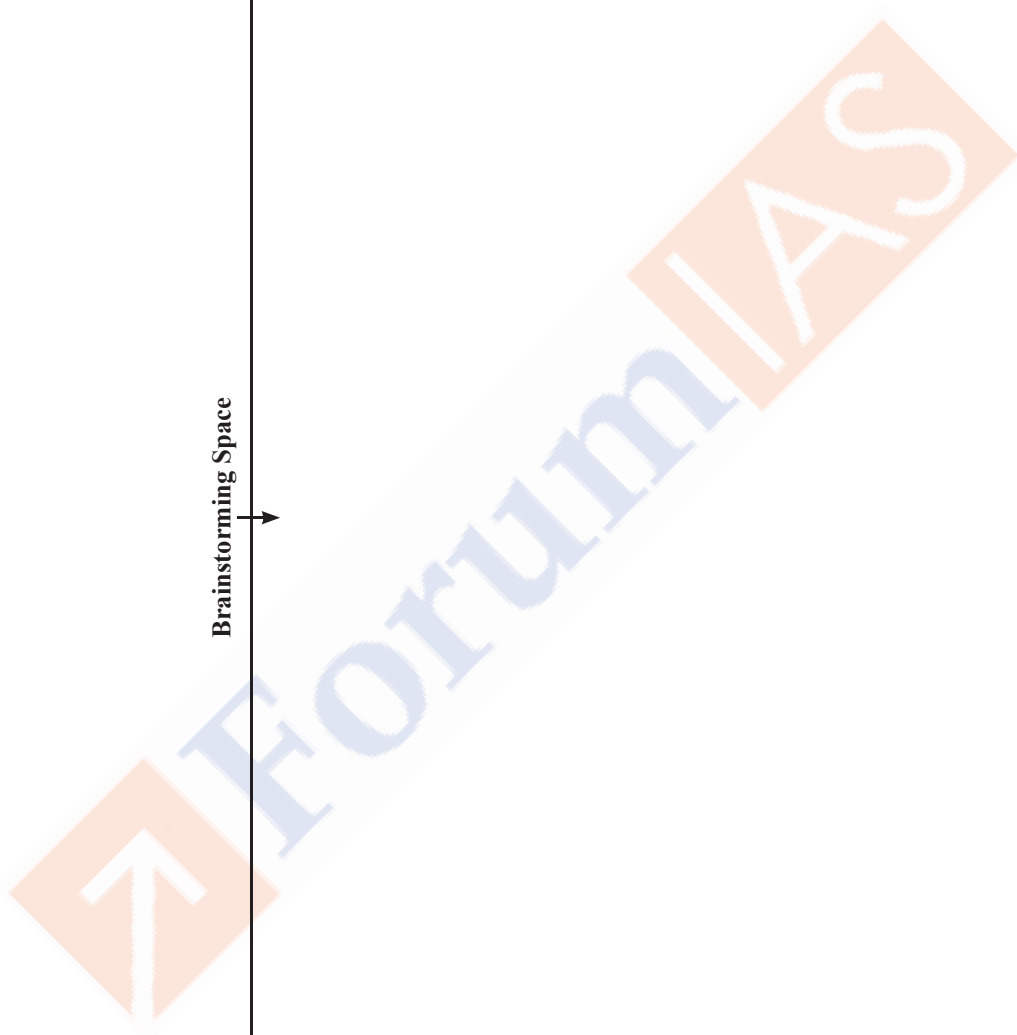
Brainstorming Space



**Q.83)** Which parts of India are described as 'arid zones'? Comment on the characteristics and economic activities prevalent in these regions.

(10 Marks, 150 Words) [1993]

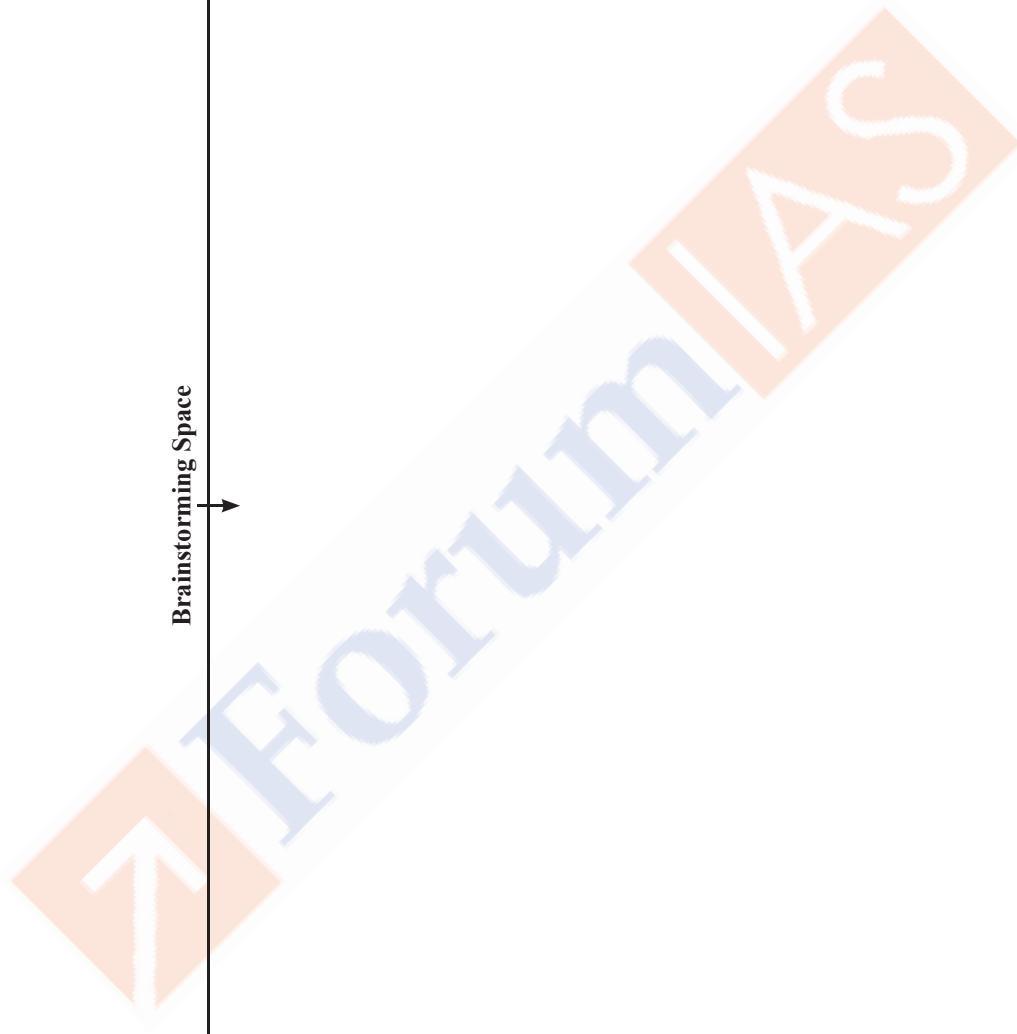
Brainstorming Space



**Q.84)** Where is Antarctica and what is there so special about it? What do you know of any ban on exploration in Antarctica?

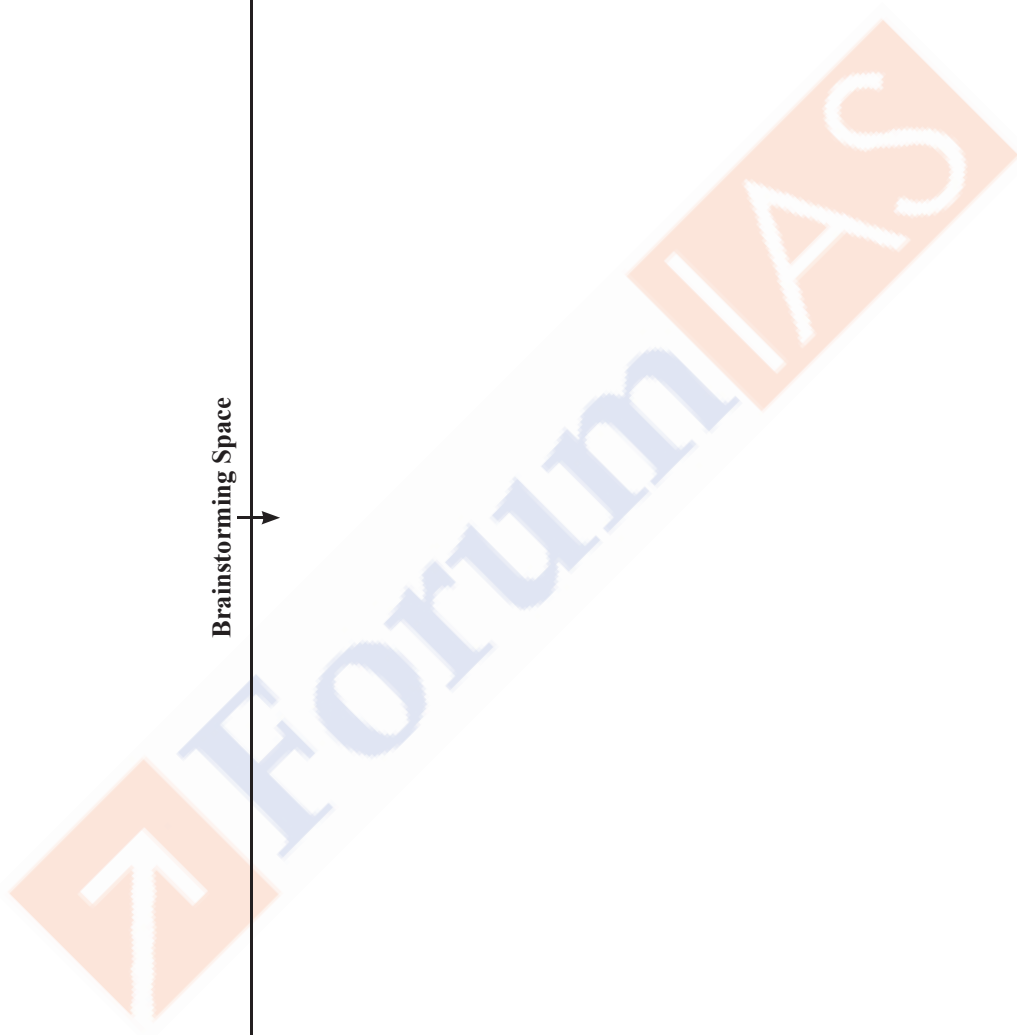
(10 Marks, 150 Words) [1991]

Brainstorming Space



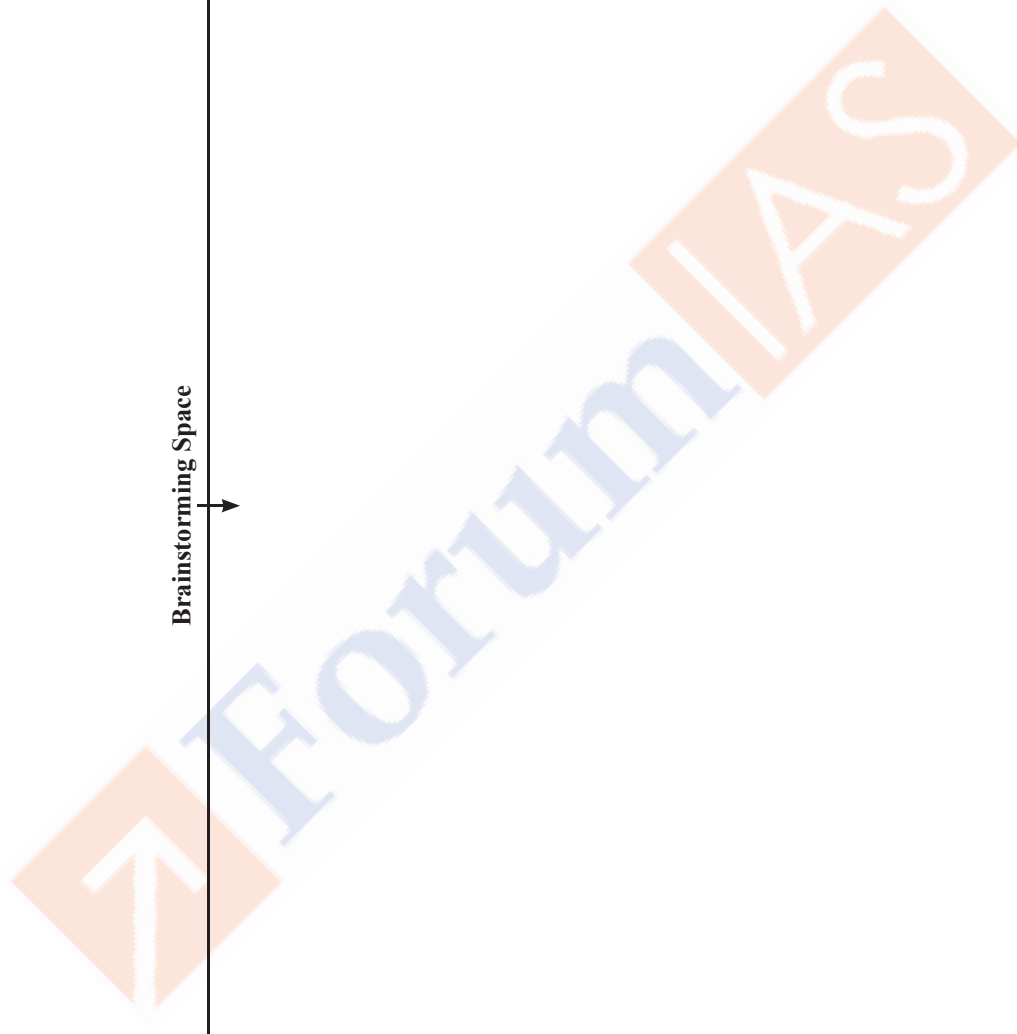
**Q.85)** Examine the recent developments that have taken place in identifying and mapping land resources in India. (10 Marks, 150 Words) [1991]

Brainstorming Space



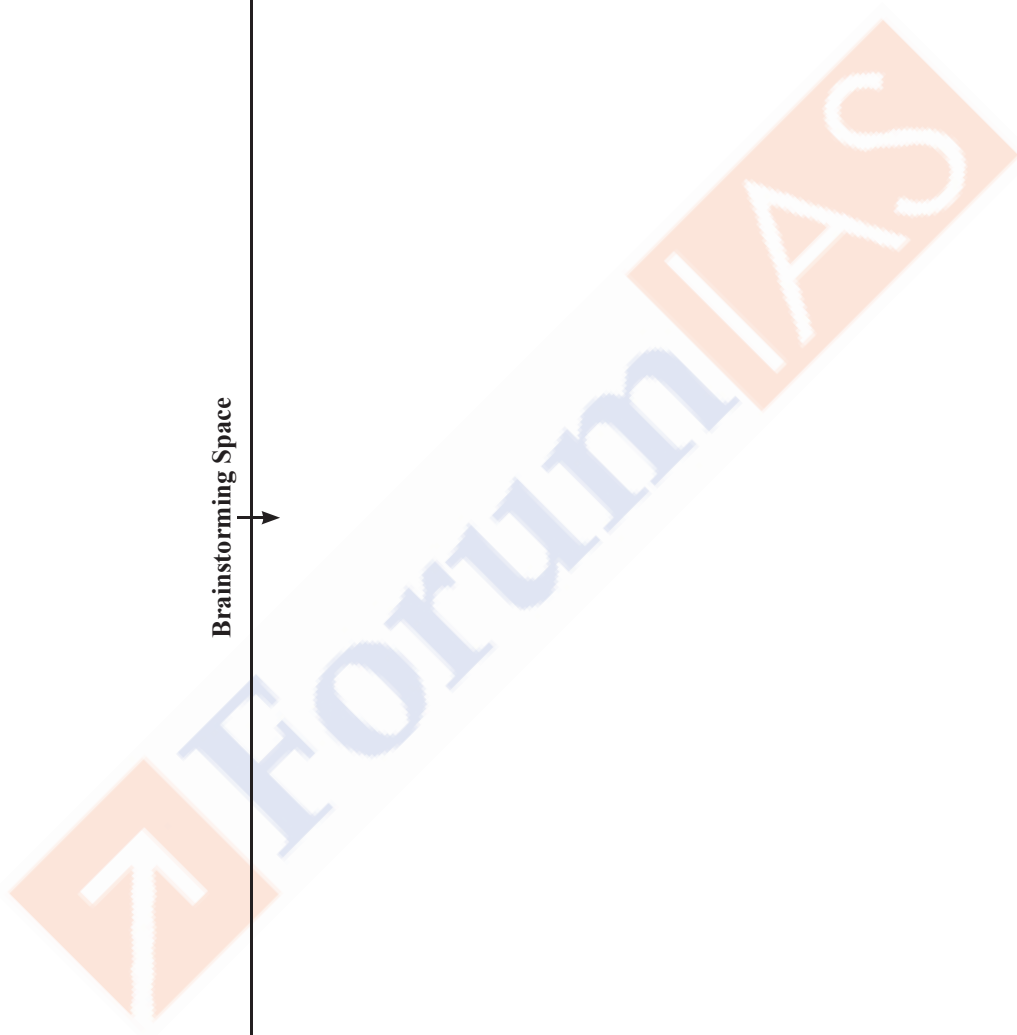
**Q.86)** Name the minerals used in generating nuclear energy and the places where they are found in India. (10 Marks, 150 Words) [1989]

Brainstorming Space



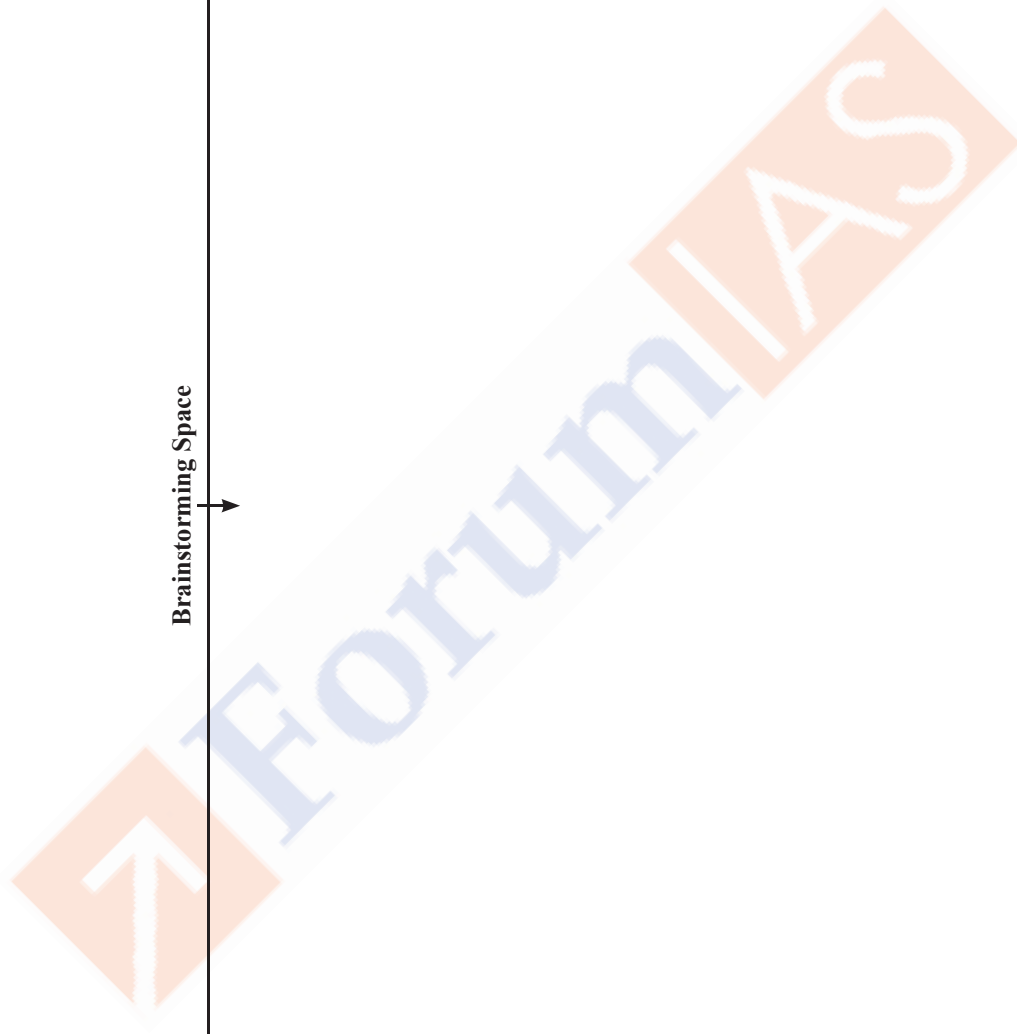
**Q.87)** Mention the distribution of steel plants in India, with foreign collaboration or assistance, if any. What are the locational advantages enjoyed by each of these plant? (10 Marks, 150 Words) [1981]

Brainstorming Space



**Q.88)** As the resources of land are getting depleted man is turning to sea for the supply of his needs. What are the prospects of sea exploration for obtaining our requirements of food, minerals and chemicals, oil and gas?  
(10 Marks, 150 Words) [1981]

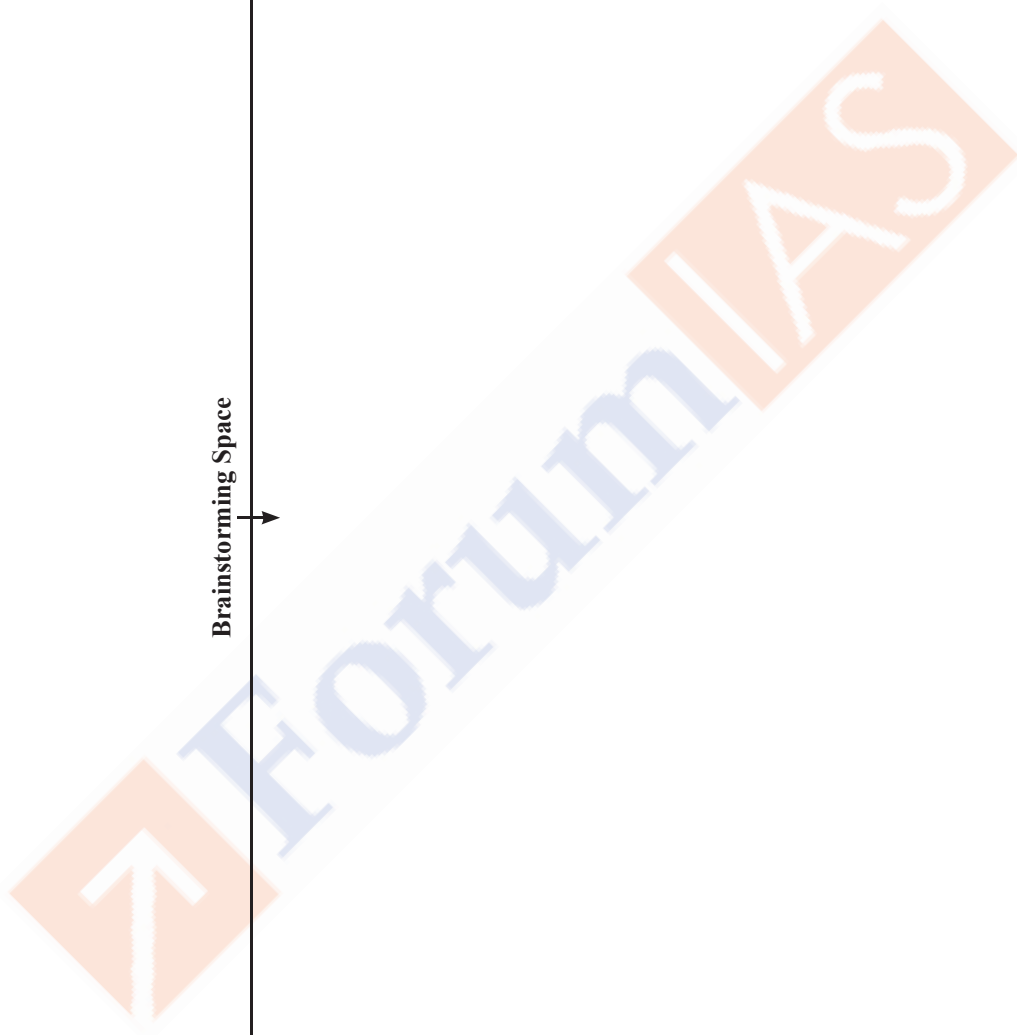
Brainstorming Space



**Q.89)** The interlinking of rivers can provide viable solutions to the multi-dimensional inter-related problems of droughts, floods and interrupted navigation. Critically examine.

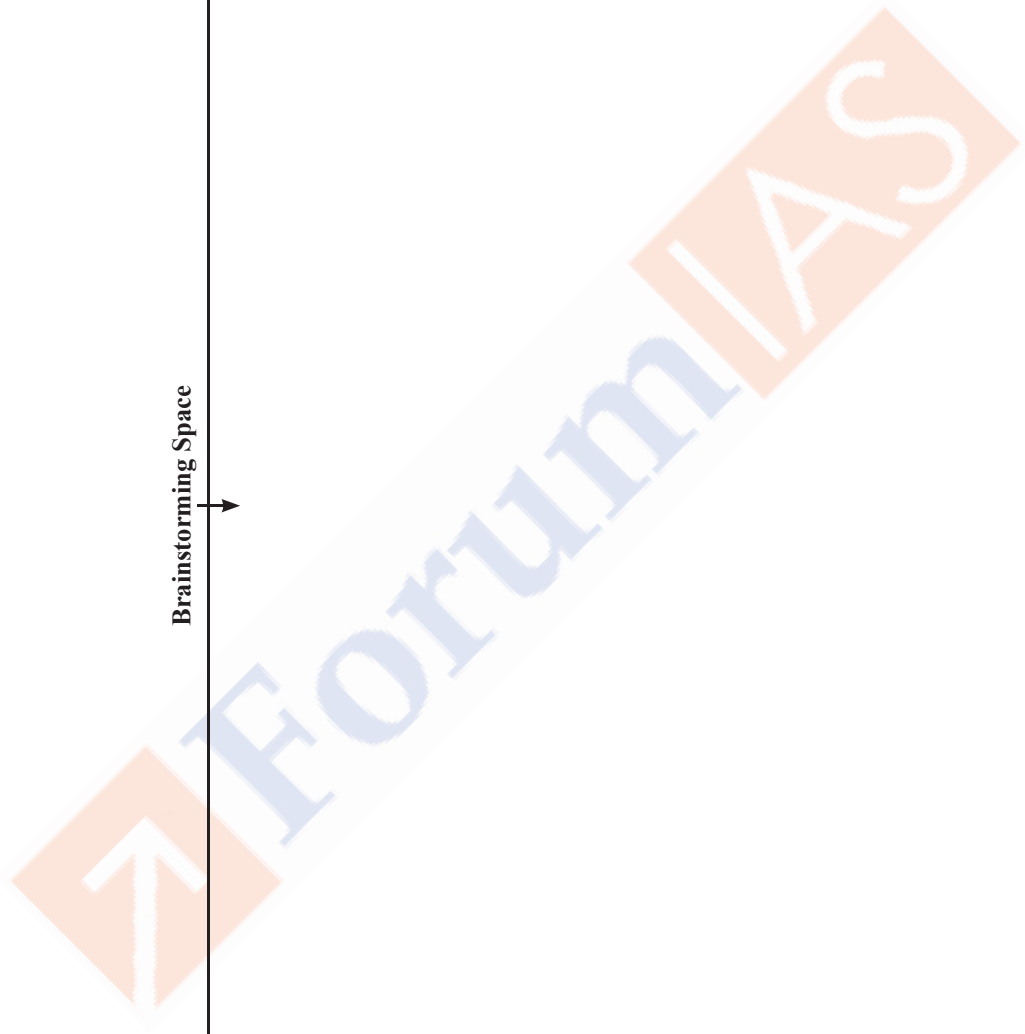
(15 Marks, 250 Words) [2020]

Brainstorming Space



**Q.90)** What is water stress? How and why does it differ regionally in India?  
(15 Marks, 250 Words) [2019]

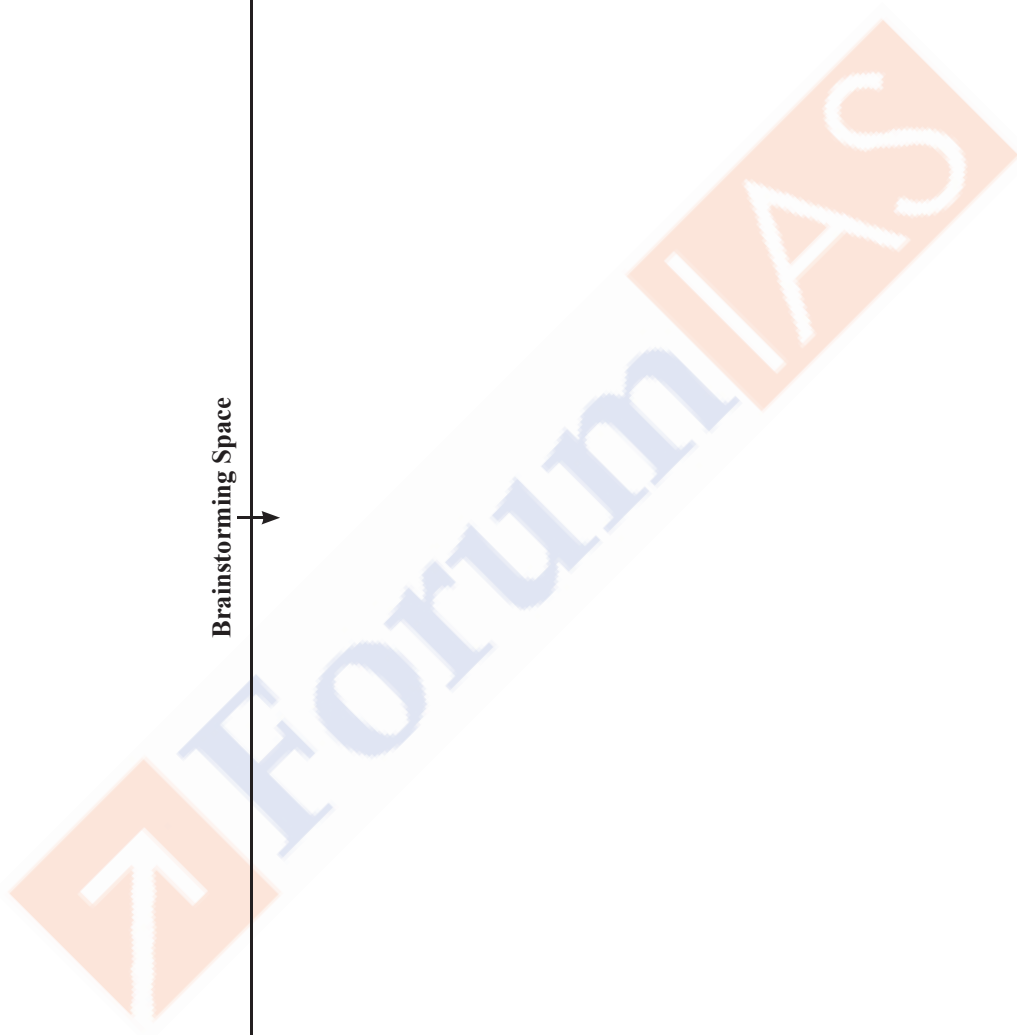
Brainstorming Space



**Q.91)** The ideal solution of depleting ground water resources in India is water harvesting system.' How can it be made effective in urban areas?

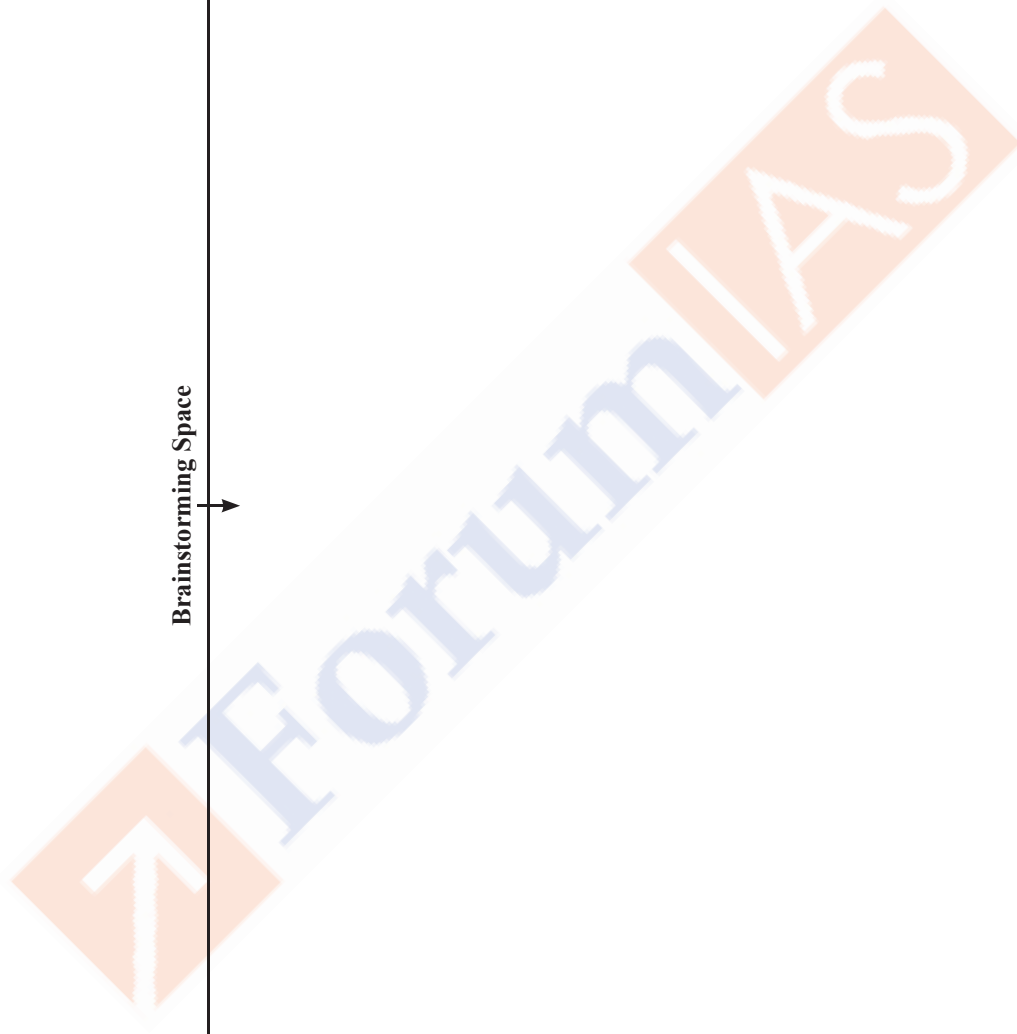
(15 Marks, 250 Words) [2018]

Brainstorming Space



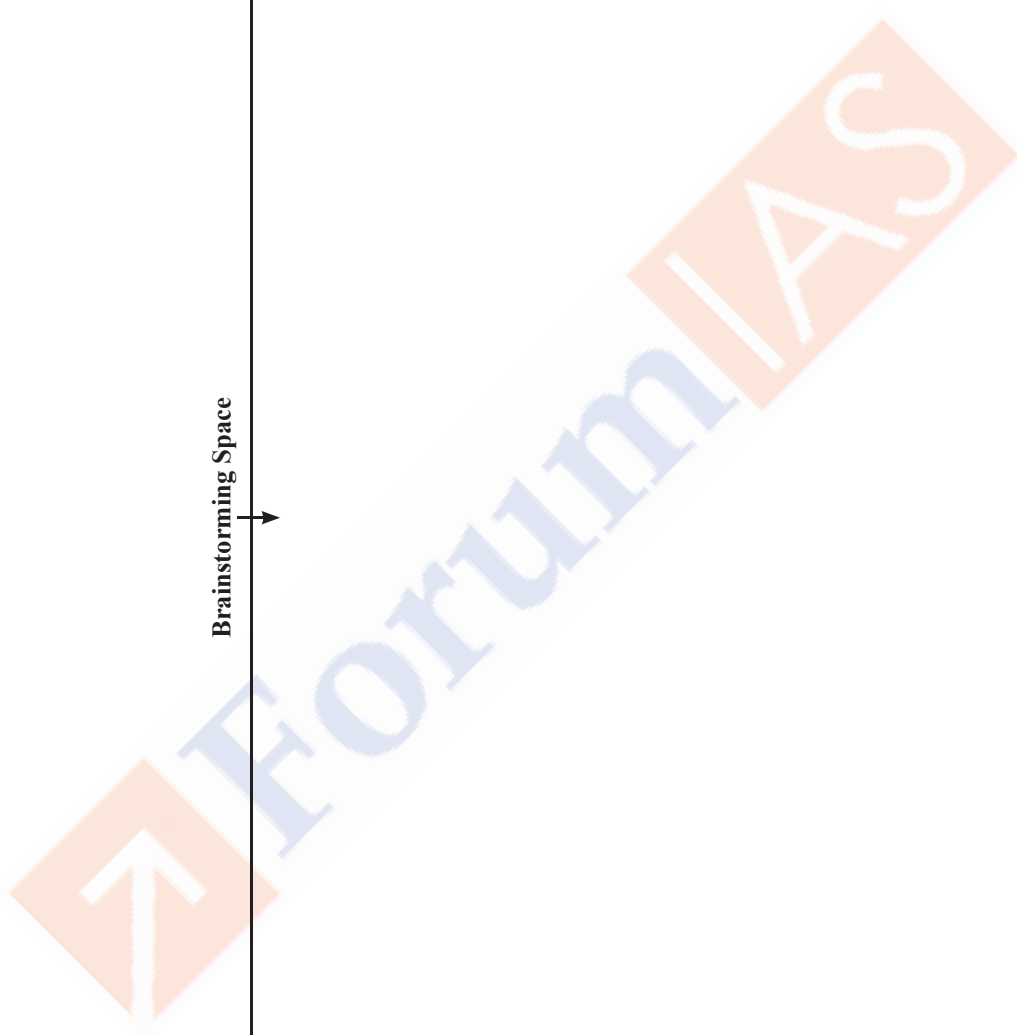
**Q.92)** Present an account of the Indus Water Treaty and examine its ecological, economic and political implications in the context of changing bilateral relations. (12.5 Marks, 200 Words) [2016]

Brainstorming Space



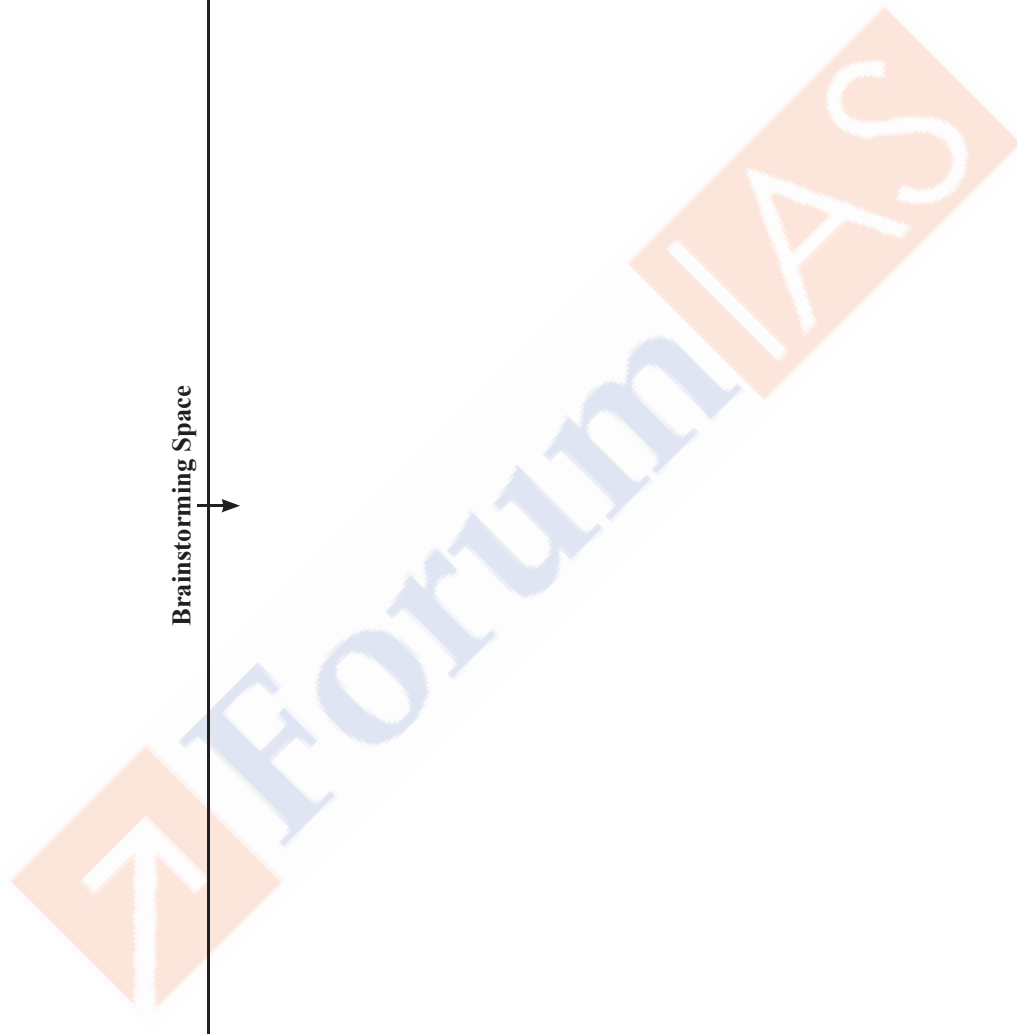
**Q.93)** India is well endowed with fresh water resources. Critically examine why it still suffers from water scarcity. (12.5 Marks, 200 Words) [2015]

Brainstorming Space



**Q.94)** There is no formation of deltas by rivers on the Western Ghats. Why?  
(10 Marks, 150 Words) [2013]

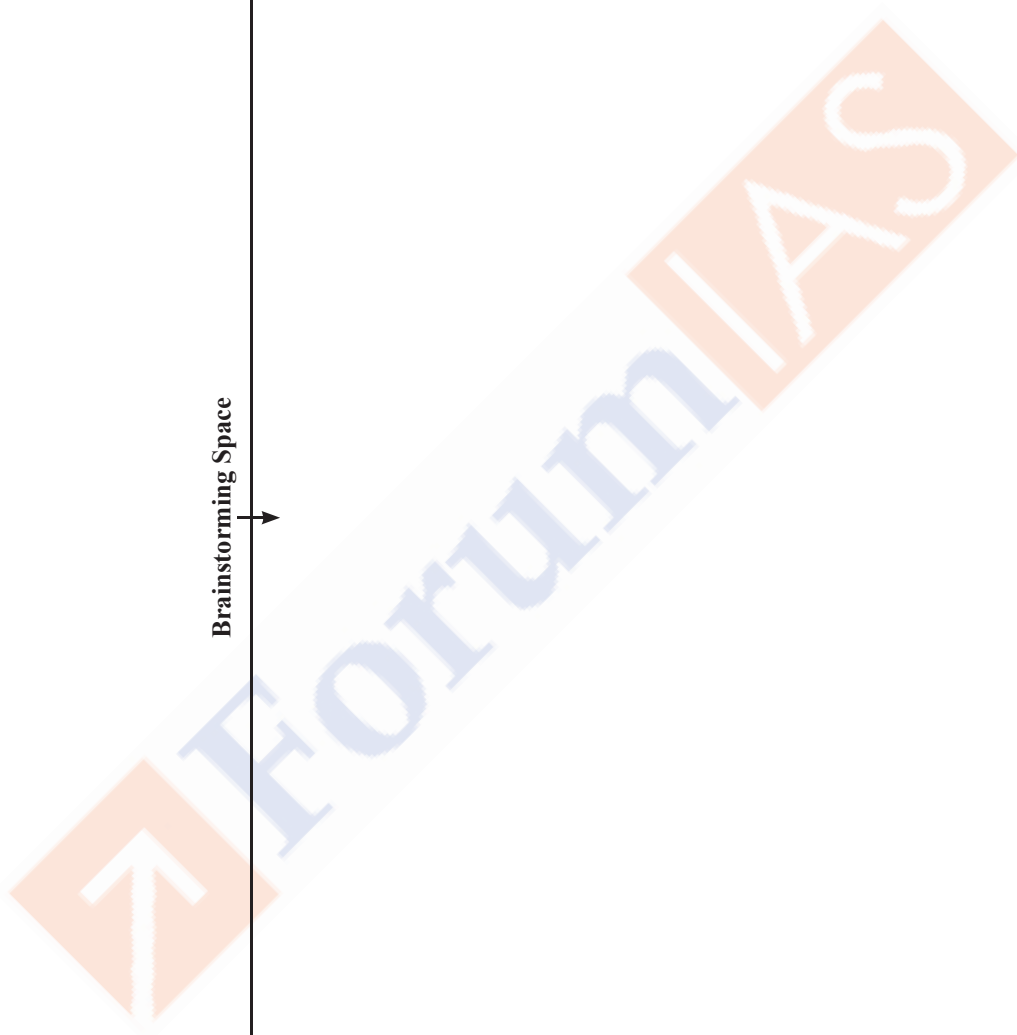
Brainstorming Space



Q.95) Why do the rivers of west coast not form a delta?

(10 Marks, 150 Words) [2006]

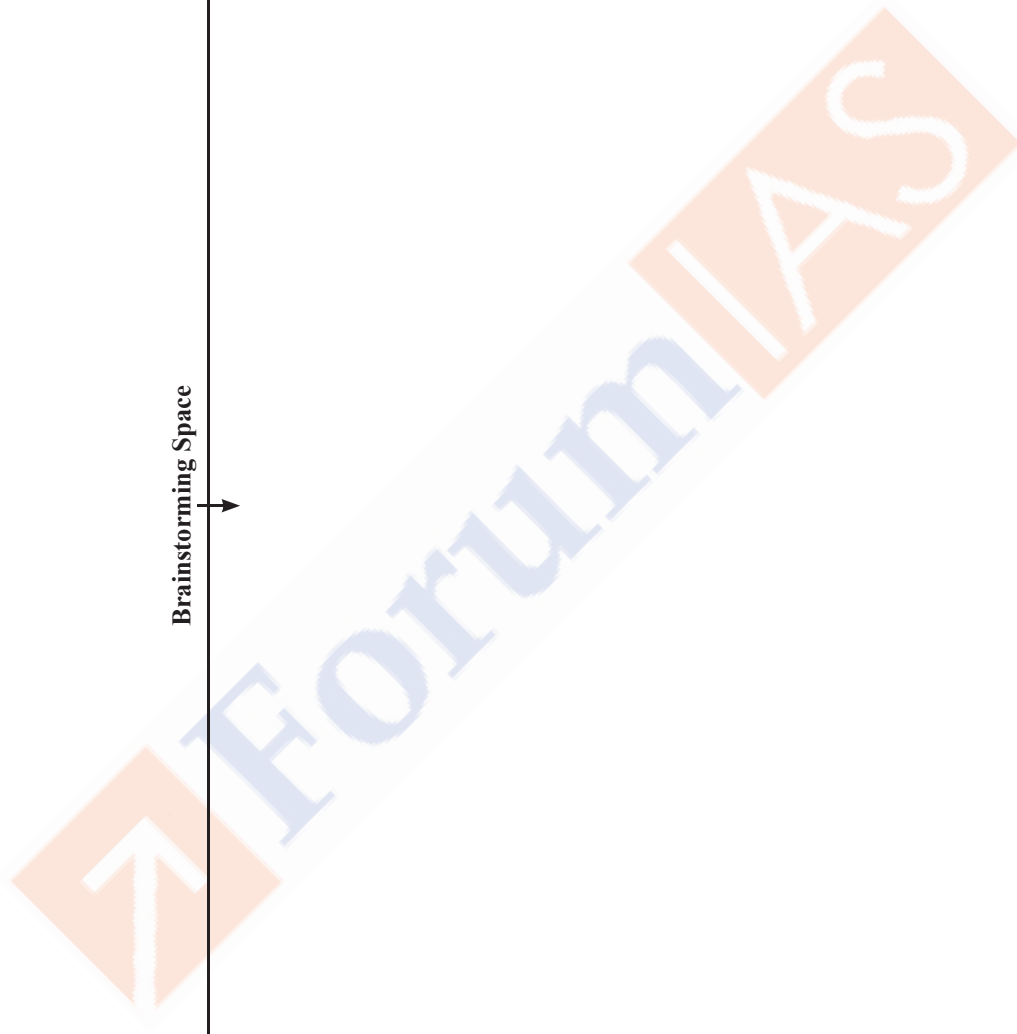
Brainstorming Space



**Q.96)** Describe the major characteristics of the rivers of Peninsular India.

(10 Marks, 150 Words) [2003]

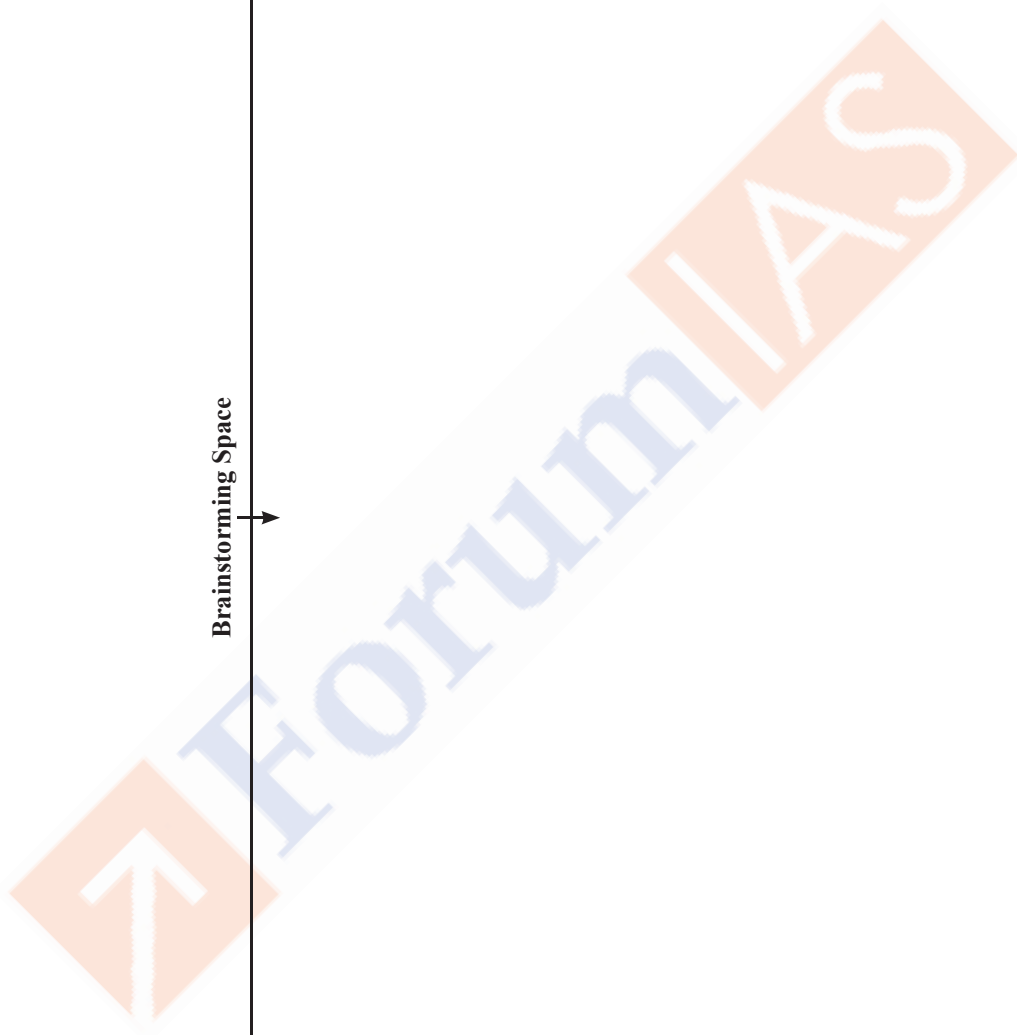
Brainstorming Space



Q.97) What constitutes a Minor Irrigation Project?

(10 Marks, 150 Words) [1988]

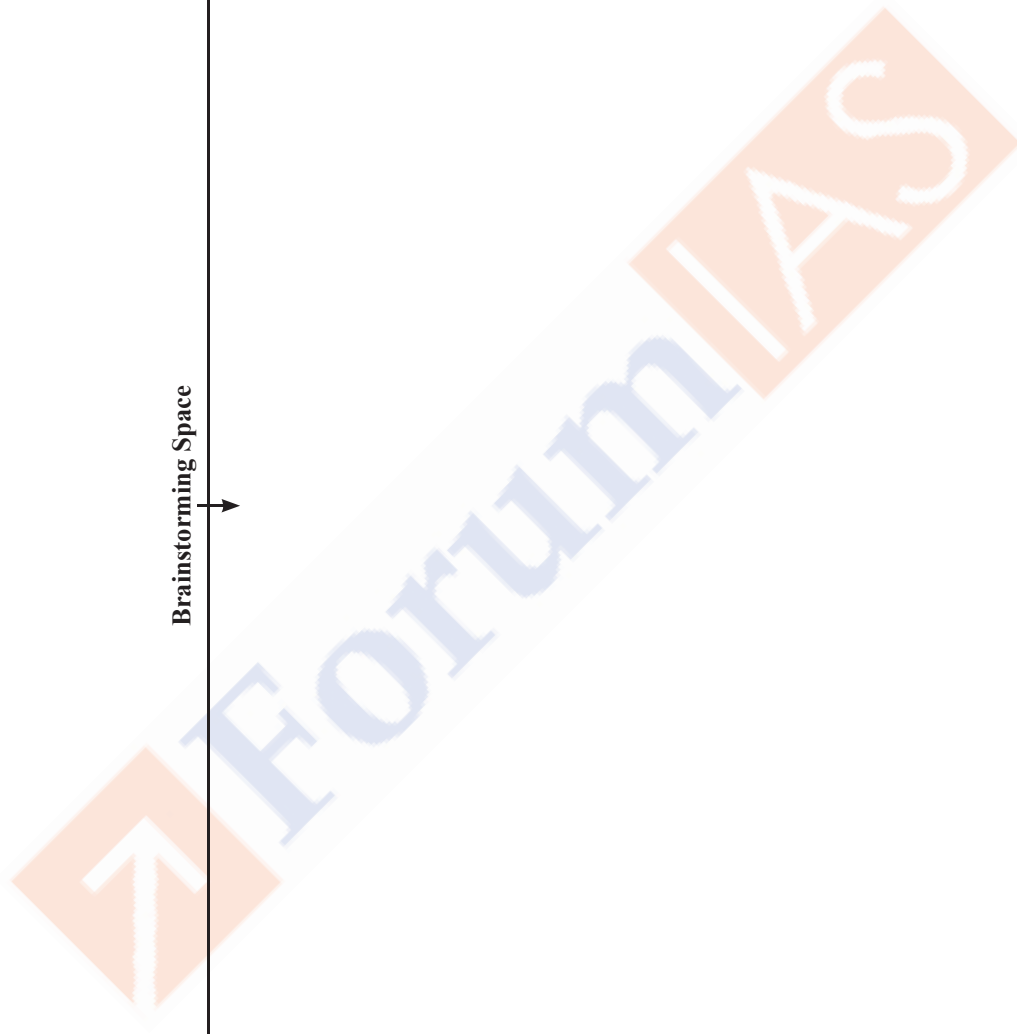
Brainstorming Space



**Q.98)** Why have the rivers of the peninsular India well-defined rigid channels in sharp contrast to the Himalayan rivers?

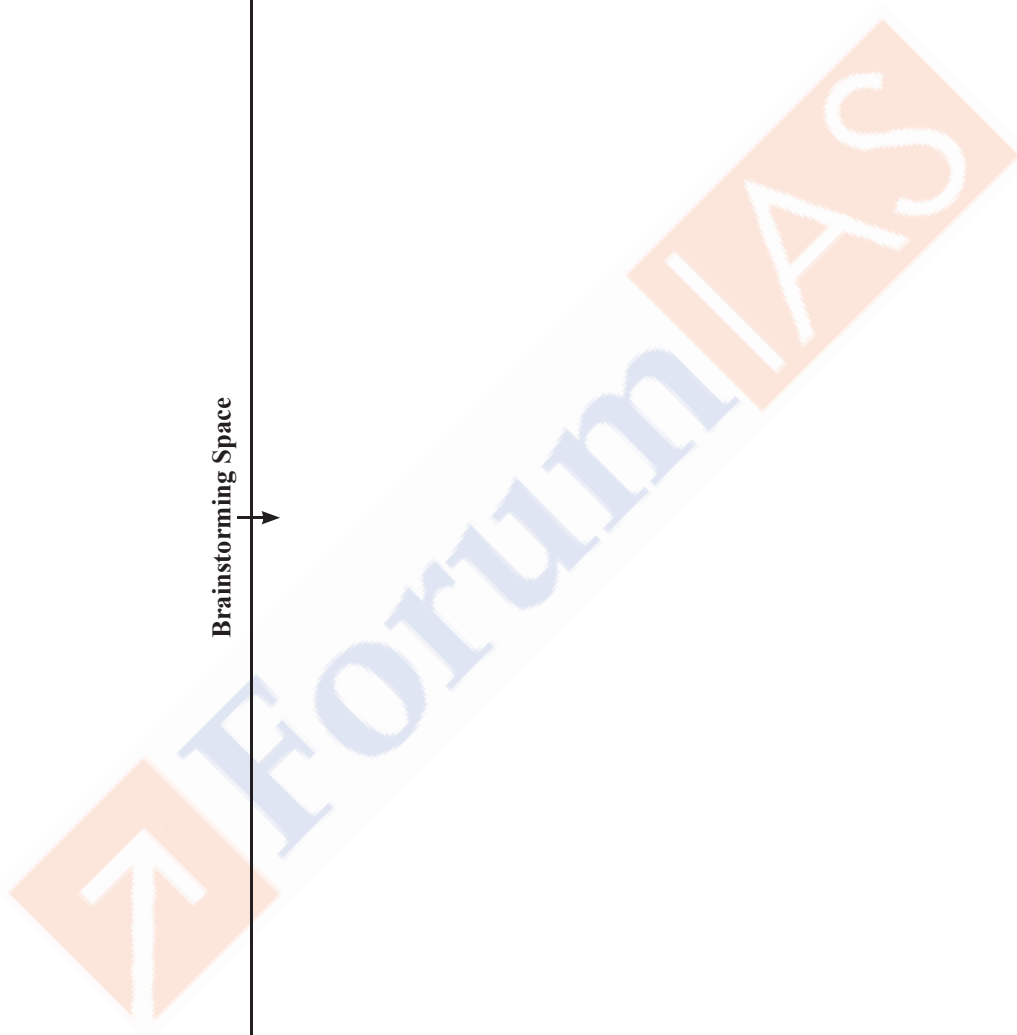
(10 Marks, 150 Words) [1995]

Brainstorming Space



**Q.99)** What is drip irrigation? Why is it considered the most efficient method of irrigation? (10 Marks, 150 Words) [1995]

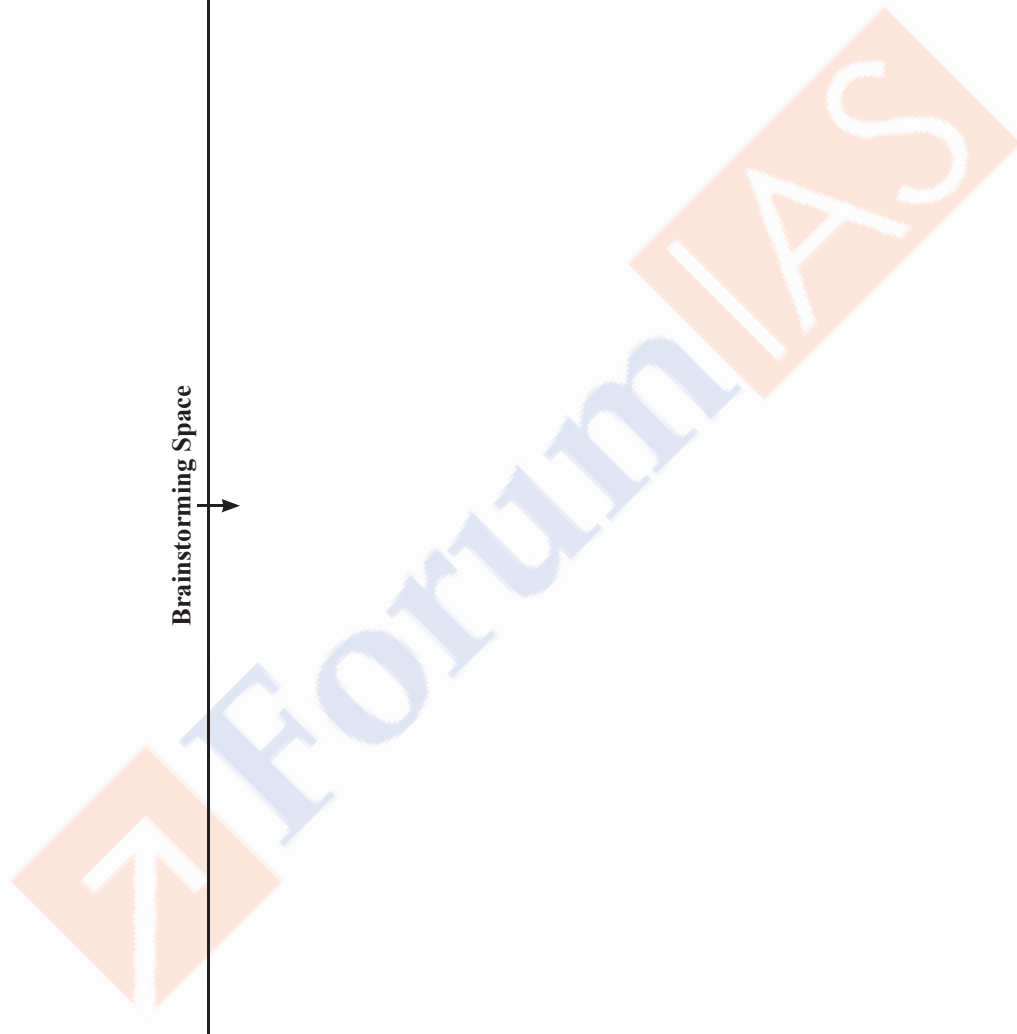
Brainstorming Space



**Q.100)** Give your assessment of the soundness of large river valley projects with high dams vis-a-vis smaller river valley projects.

(10 Marks, 150 Words) [1993]

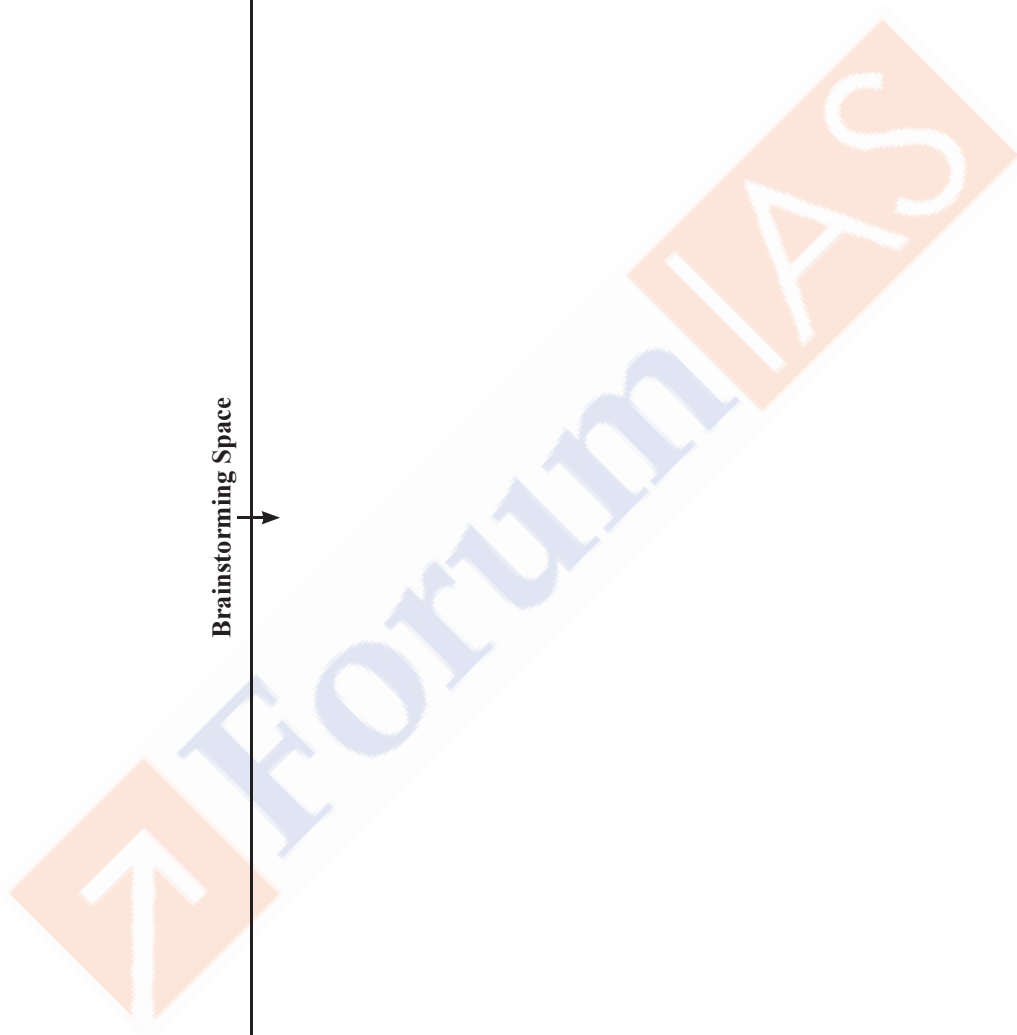
Brainstorming Space



**Q.101)** Name the major international rivers flowing through India. What Countries/States are covered by the Ganga and the Godavari rivers on their course from their source to the sea?

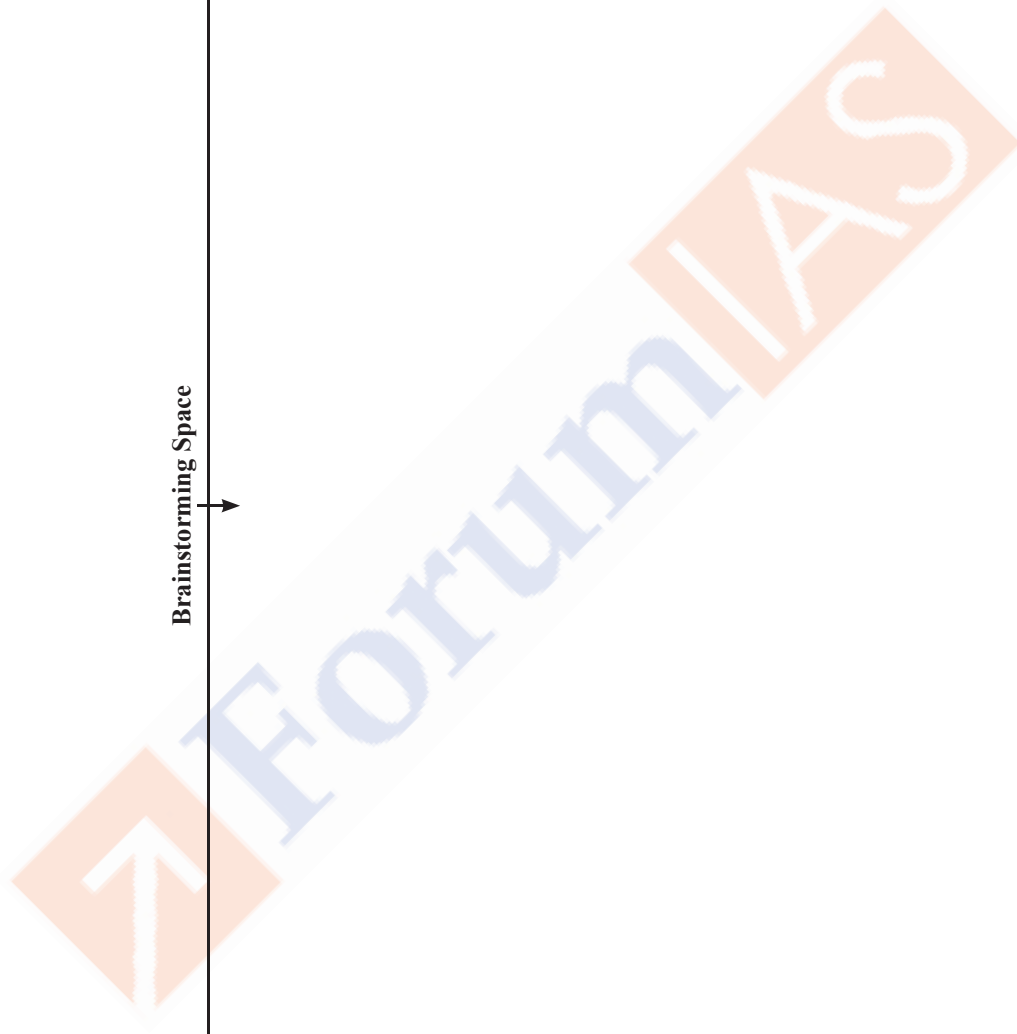
(10 Marks, 150 Words) [1980]

Brainstorming Space



**Q.102)** Discuss how the changes in shape and sizes of continents and ocean basins of the planet take place due to tectonic movements of the crustal masses. (15 Marks, 250 Words) [2025]

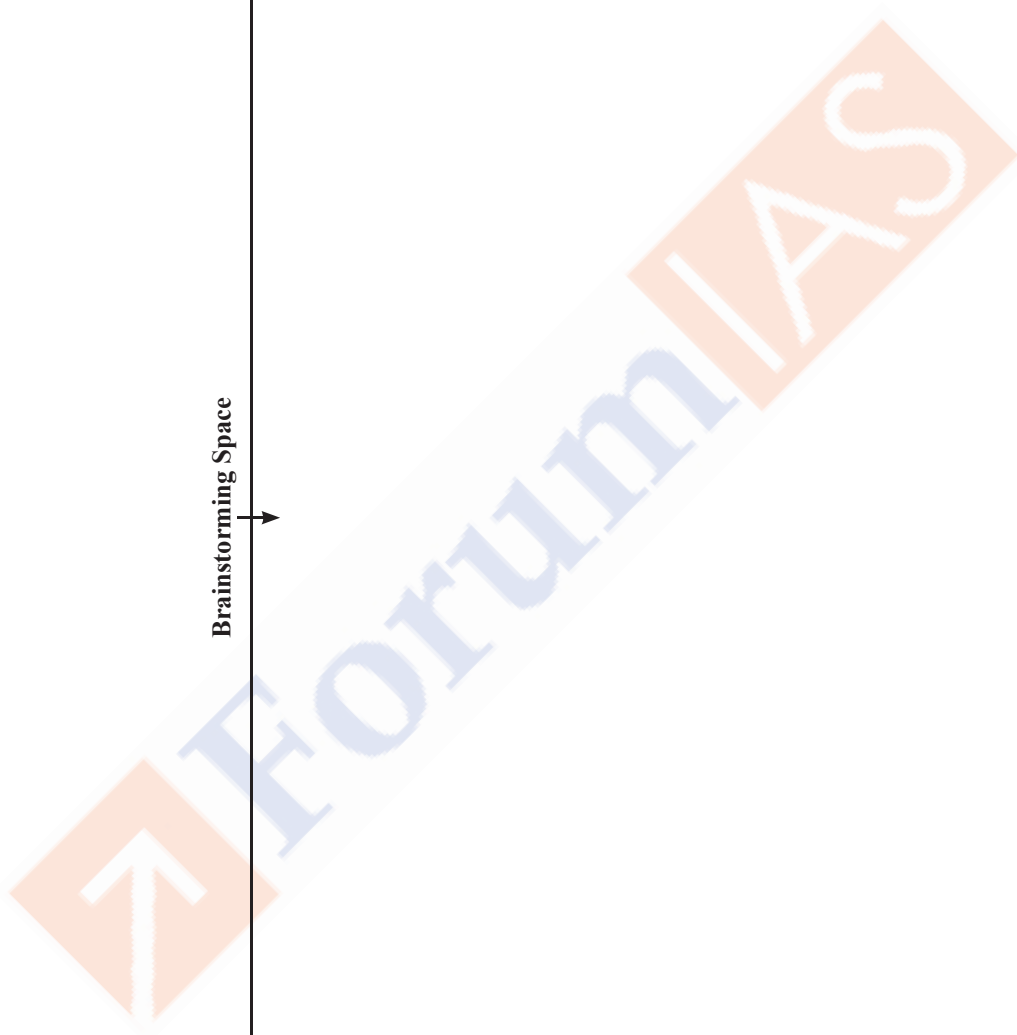
Brainstorming Space



**Q.103)** Why is India considered a subcontinent? Elaborate on your answer.

(10 Marks, 150 Words) [2021]

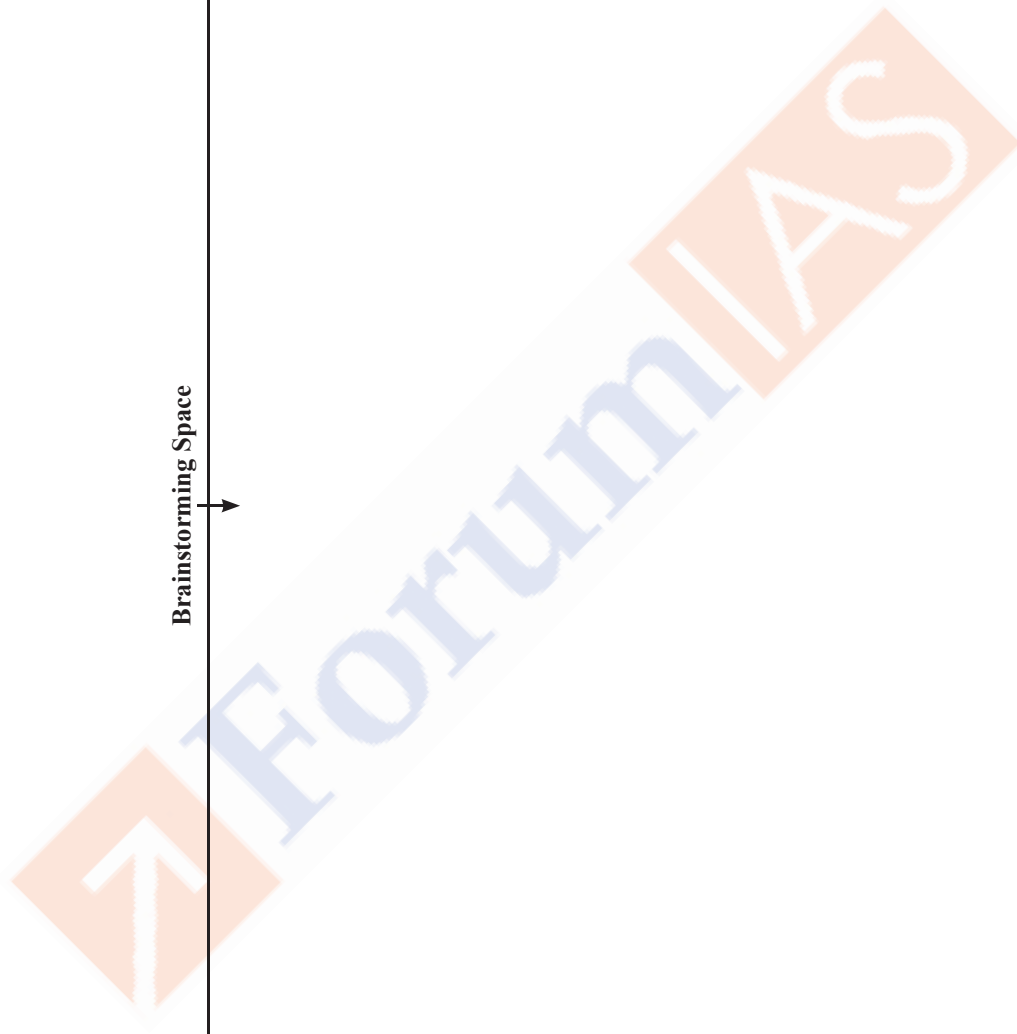
Brainstorming Space



**Q.104)** Define mantle plume and explain its role in plate tectonics.

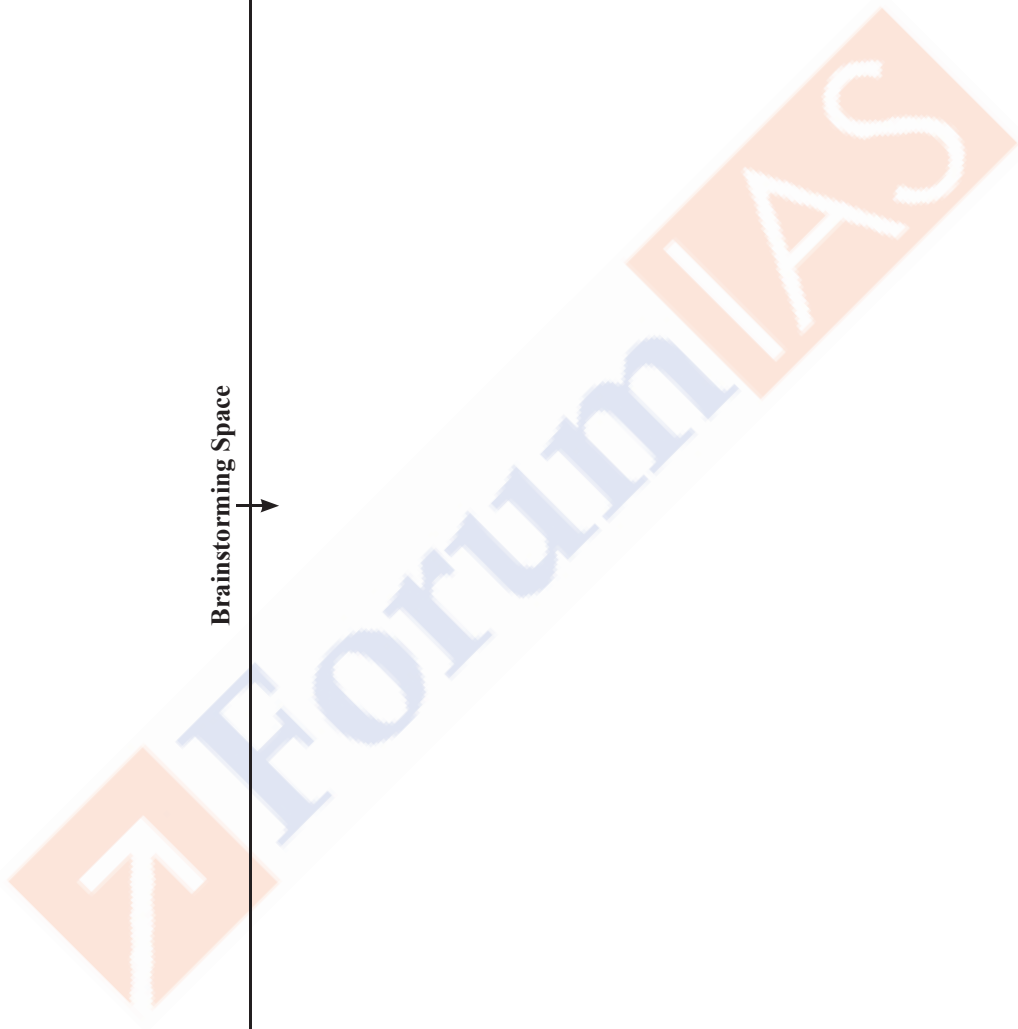
(10 Marks, 150 Words) [2018]

Brainstorming Space



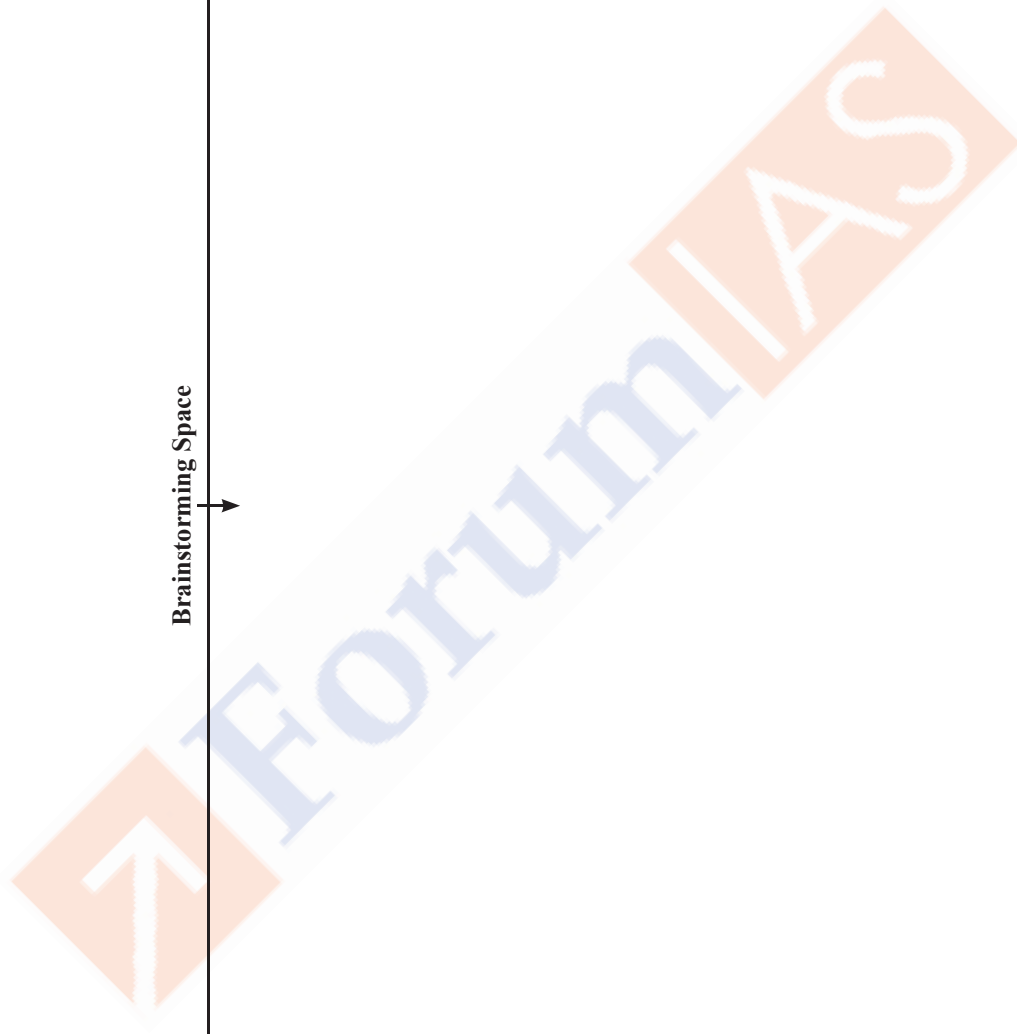
**Q.105)** How does the Juno Mission of NASA help to understand the origin and evolution of the Earth? (10 Marks, 150 Words) [2017]

Brainstorming Space



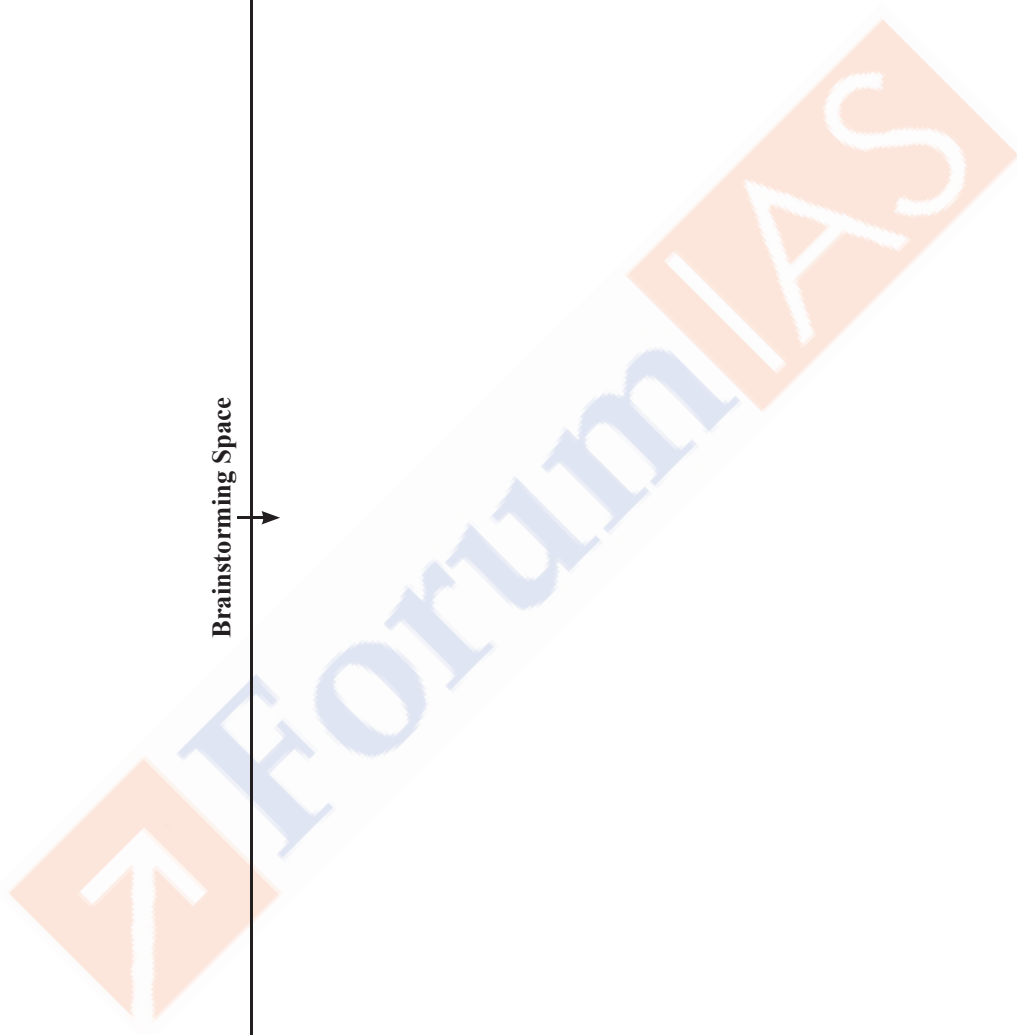
**Q.106)** What do you understand by the theory of continental drift? Discuss the prominent evidences in its support. (15 Marks, 250 Words) [2013]

Brainstorming Space



**Q.107)** How are the fjords formed? Why do they constitute some of the most picturesque areas of the world? (10 Marks, 150 Words) [2023]

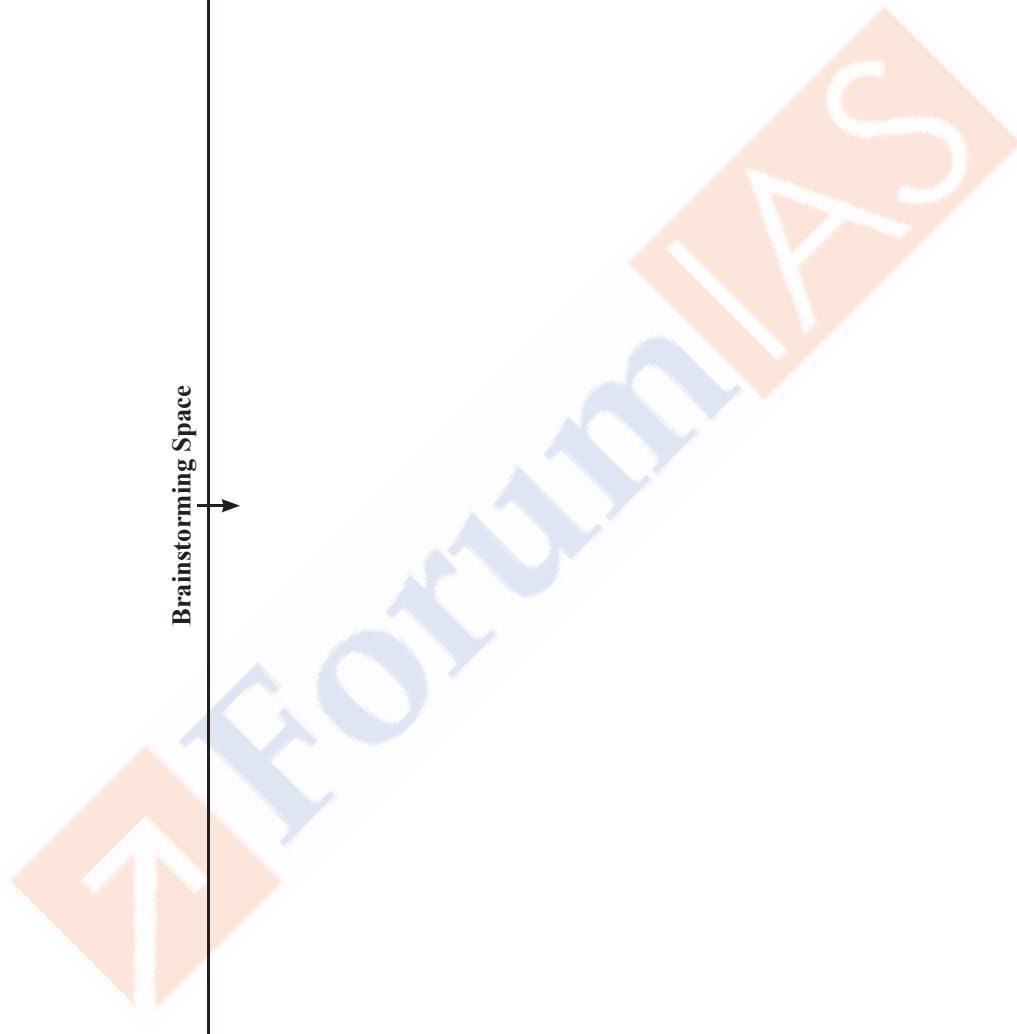
Brainstorming Space



**Q.108)** Briefly mention the alignment of major mountain ranges of the world and explain their impact on local weather conditions, with examples.

(15 Marks, 250 Words) [2021]

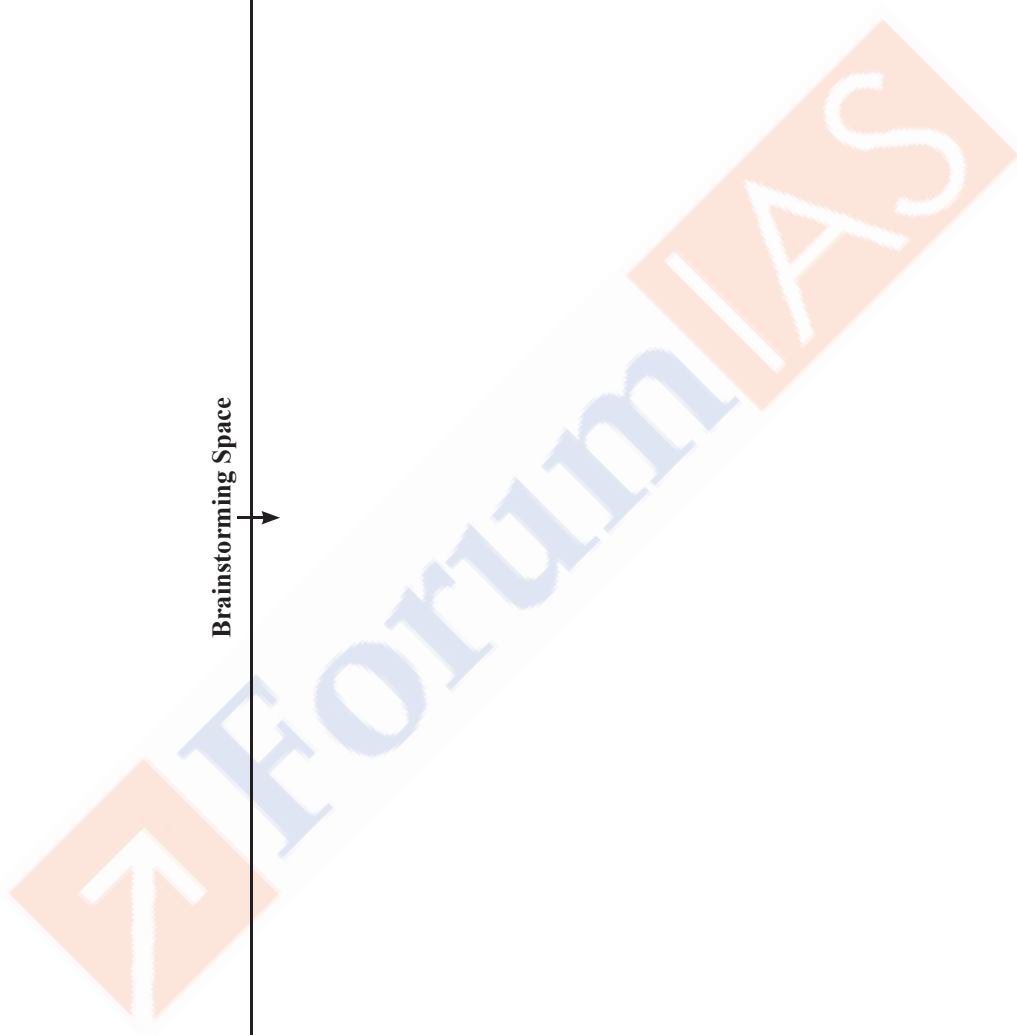
Brainstorming Space



**Q.109)** How can the mountain ecosystem be restored from the negative impact of development initiatives and tourism?

(15 Marks, 250 Words) [2019]

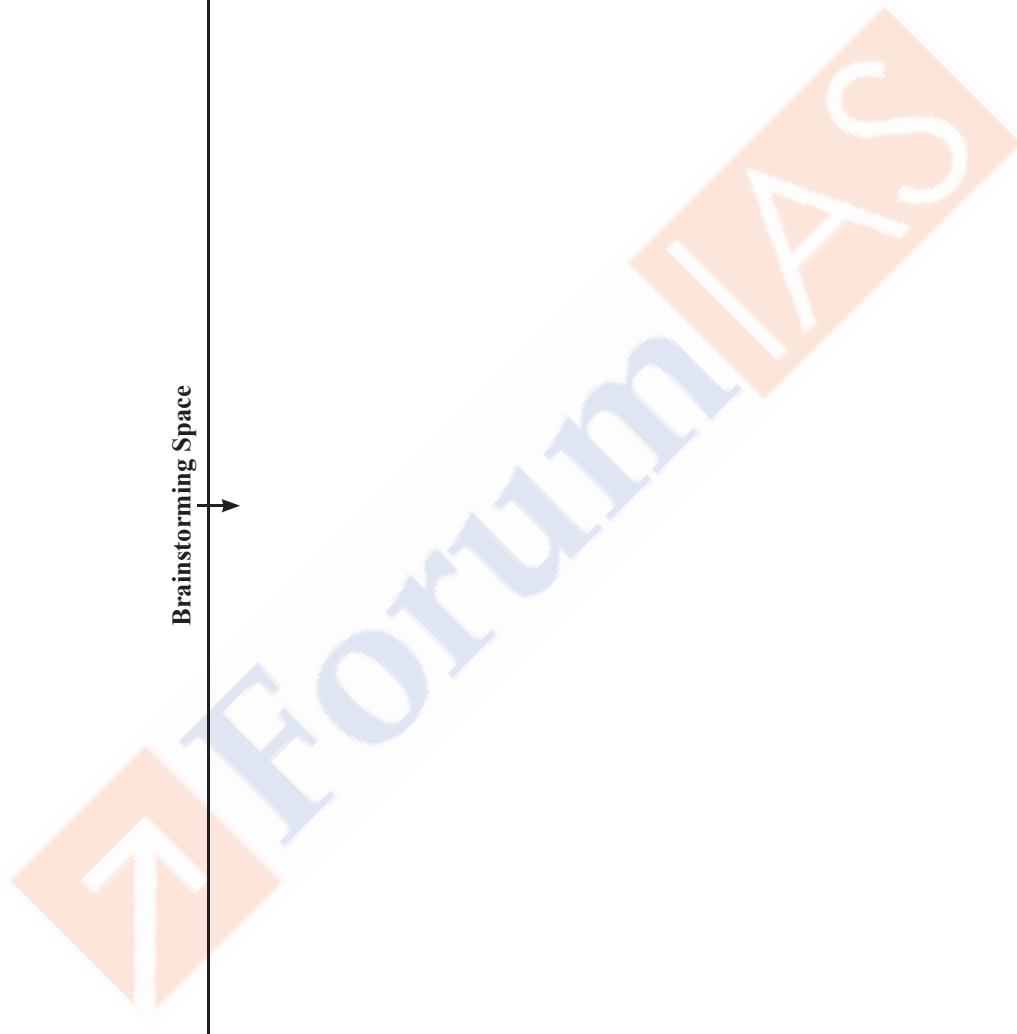
Brainstorming Space



**Q.110)** Why are the world's fold mountain systems located along the margins of continents? Bring out the association between the global distribution of fold mountains and the earthquakes and volcanoes.

(12.5 Marks, 200 Words) [2014]

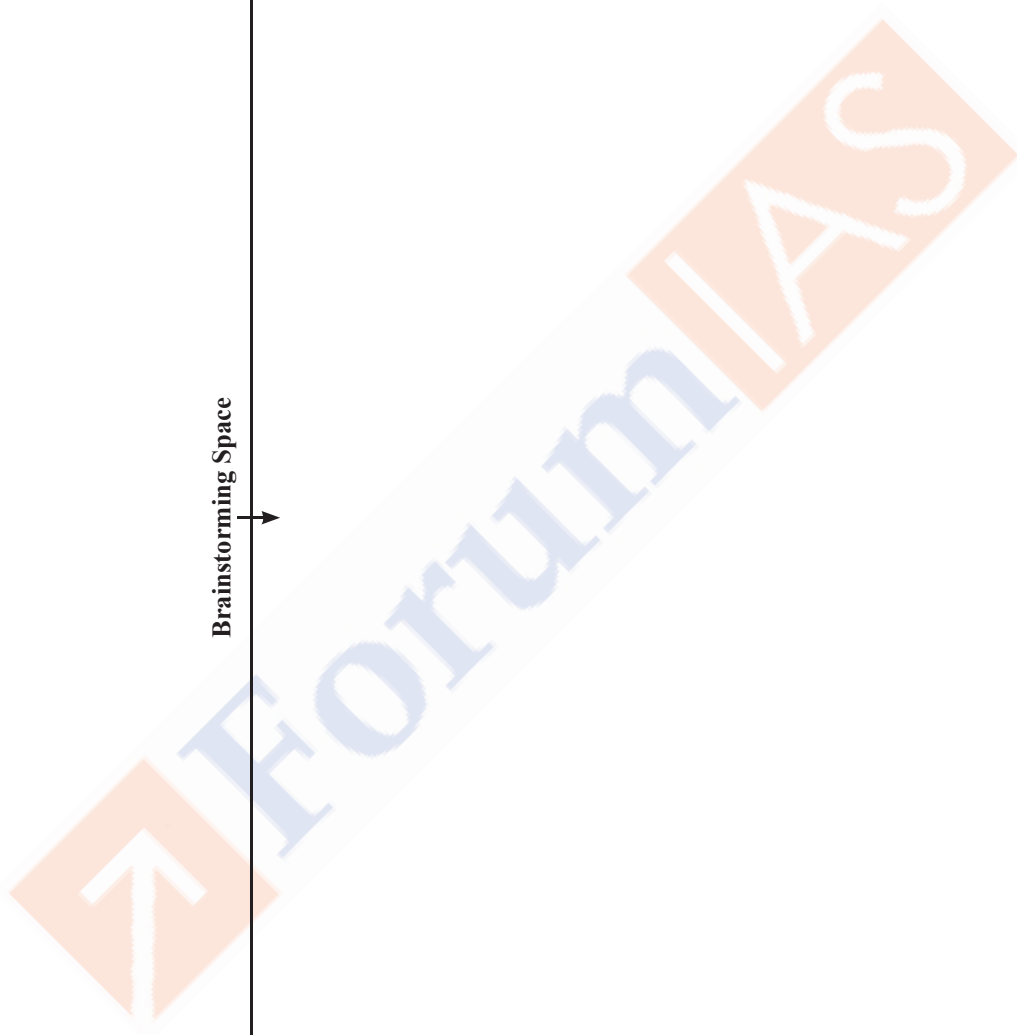
Brainstorming Space



**Q.111)** Bring out the relationship between the shrinking Himalayan glaciers and the symptoms of climate change in the Indian sub-continent.

(12.5 Marks, 200 Words) [2014]

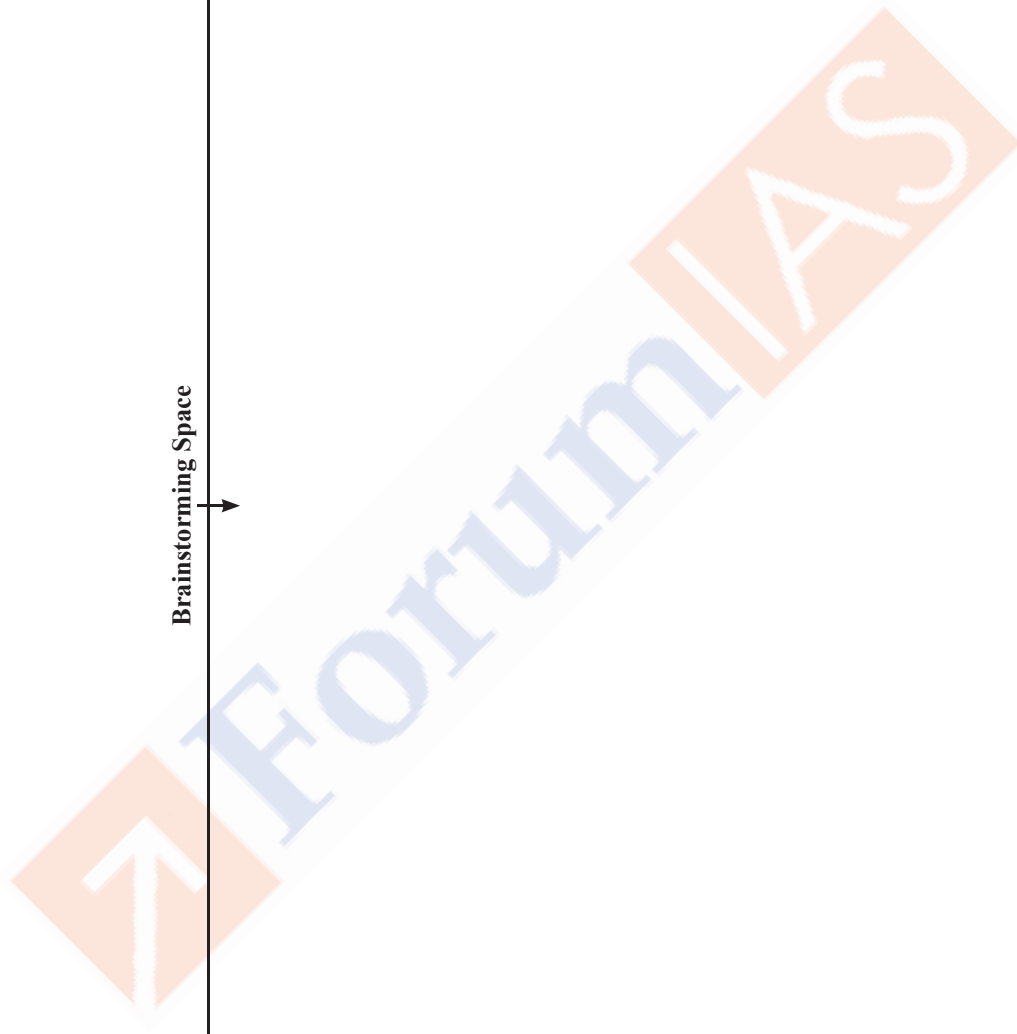
Brainstorming Space



**Q.112)** Major hot deserts in northern hemisphere are located between 20°–30° N latitudes and on the western sides of the continents. Why?

(12.5 Marks, 200 Words) [2013]

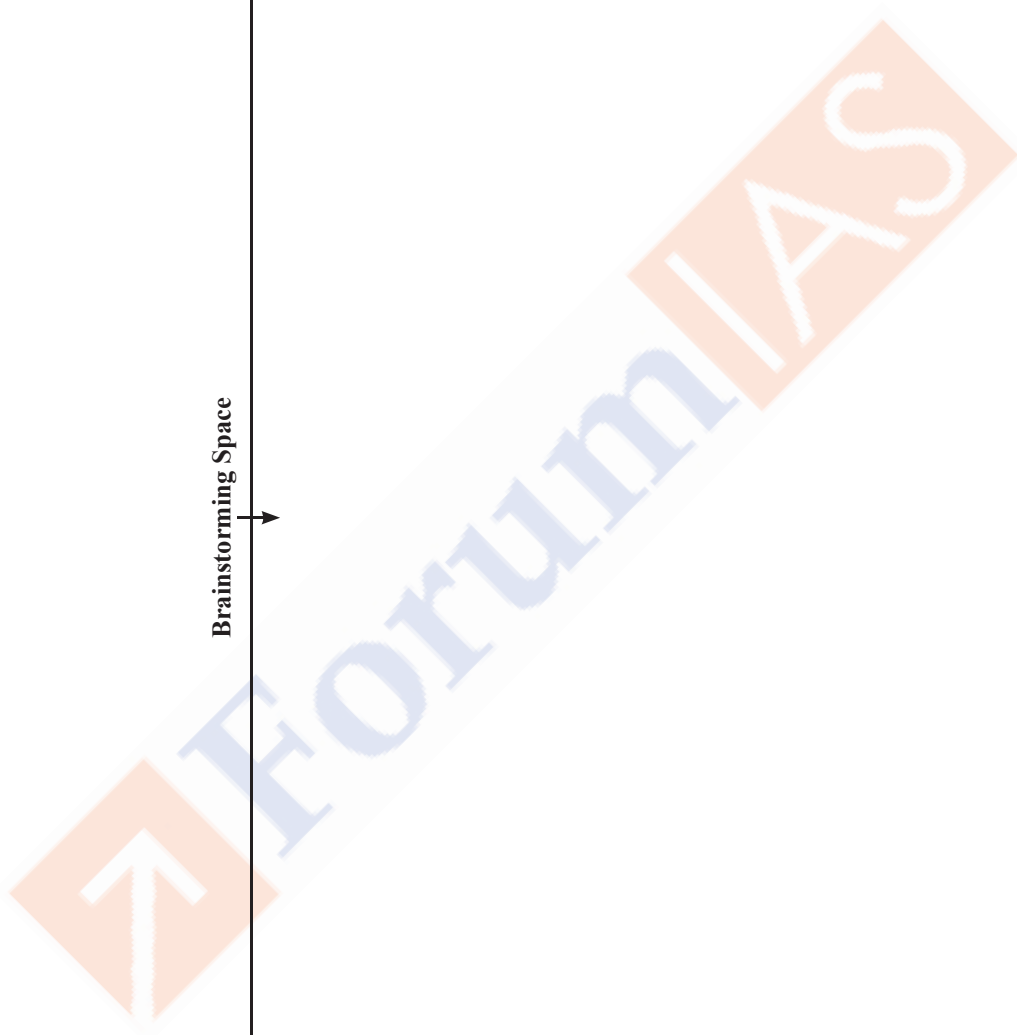
Brainstorming Space



**Q.113)** Why are the Aravallis called a divide between Mewar and Marwar?

(10 Marks, 150 Words) [2004]

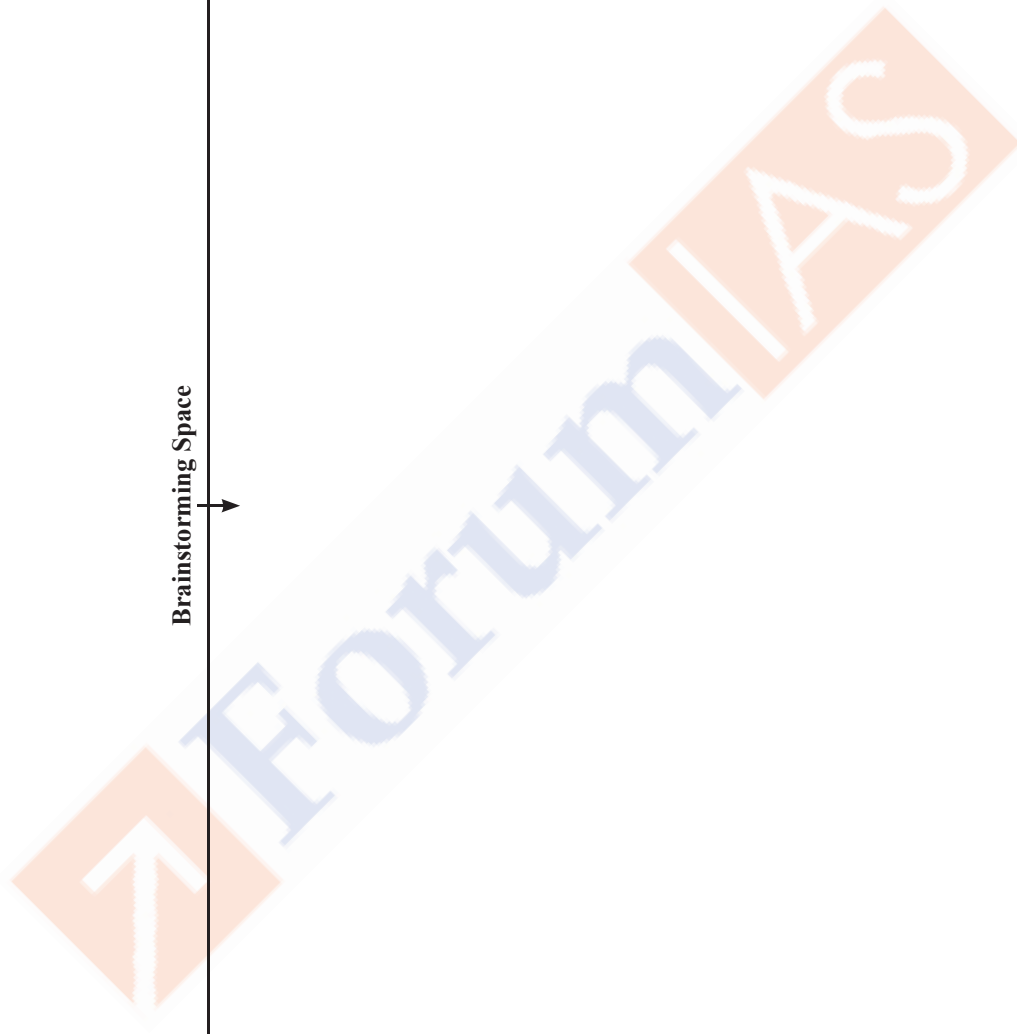
Brainstorming Space



Q.114) What do you understand by Deccan Trap? Describe its characteristics.

(10 Marks, 150 Words) [1995]

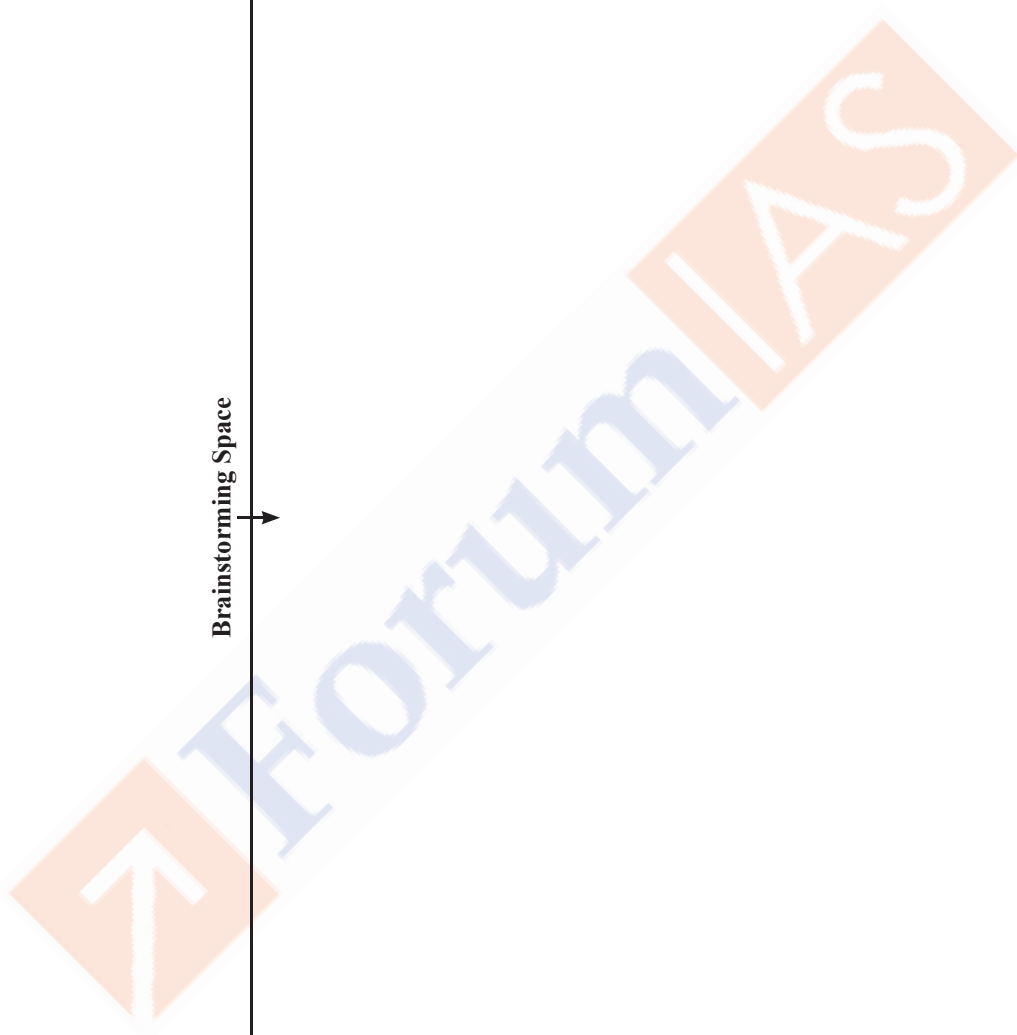
Brainstorming Space



**Q.115)** Where do we find large desert areas in India? What steps have been taken by the Government for their development?

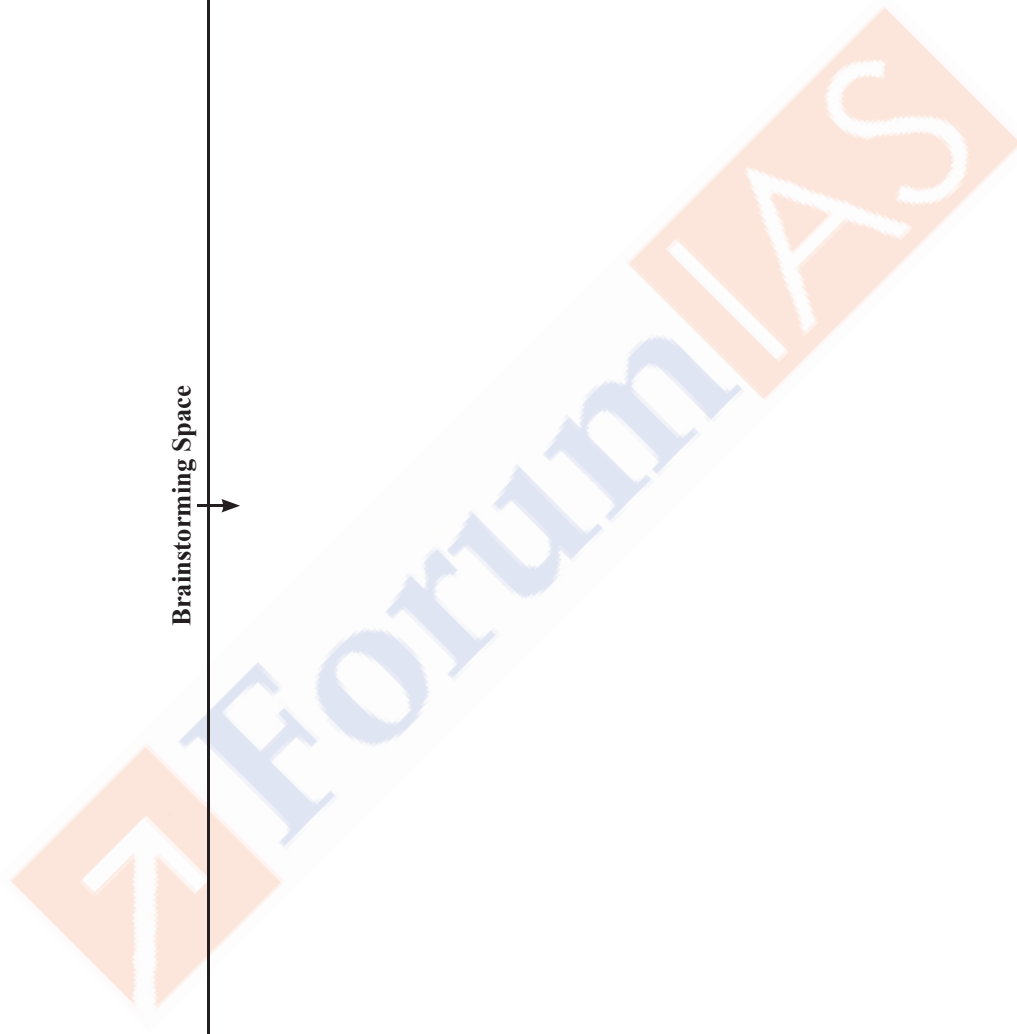
(10 Marks, 150 Words) [1985]

Brainstorming Space



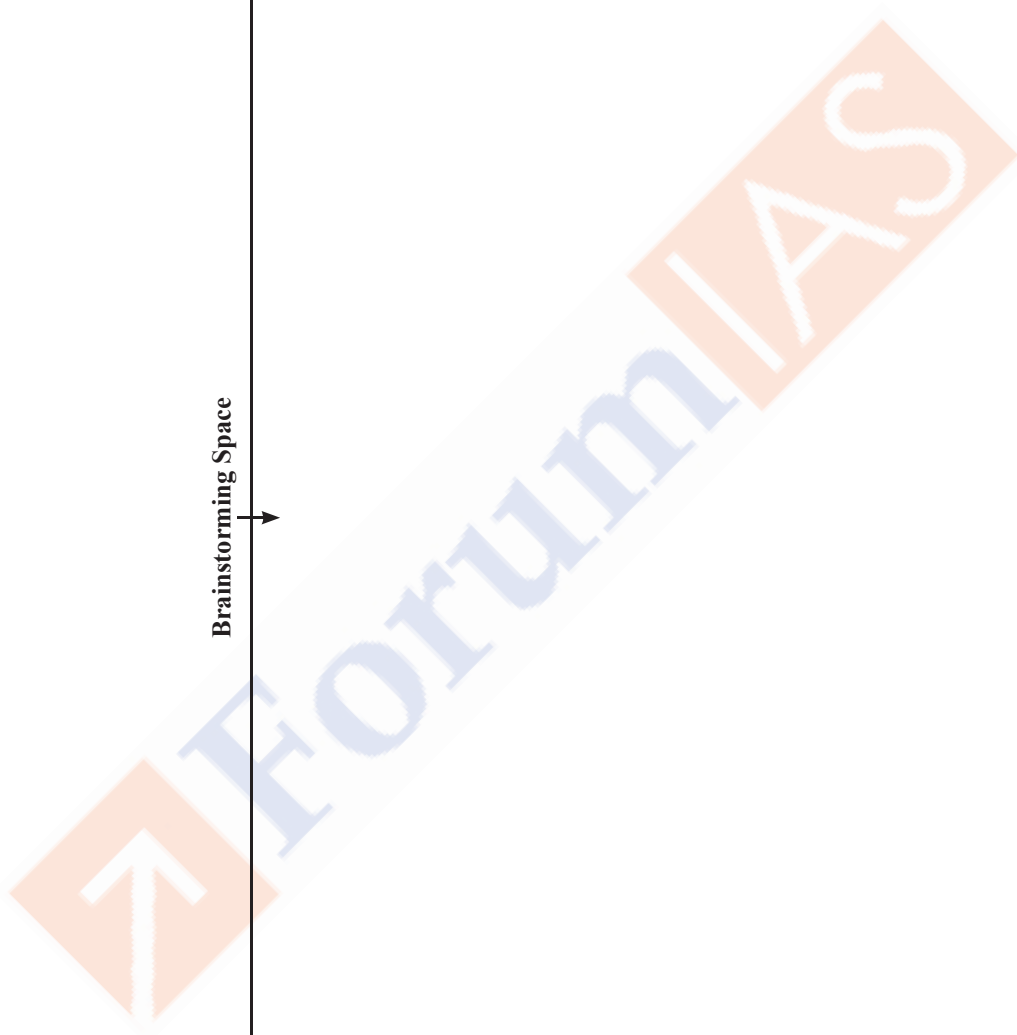
**Q.116)** Name the main physiographic divisions of India and give the salient features of each division. (10 Marks, 150 Words) [1984]

Brainstorming Space



**Q.117)** What are the forces that influence ocean currents? Describe their role in the fishing industry of the world. (15 Marks, 250 Words) [2022]

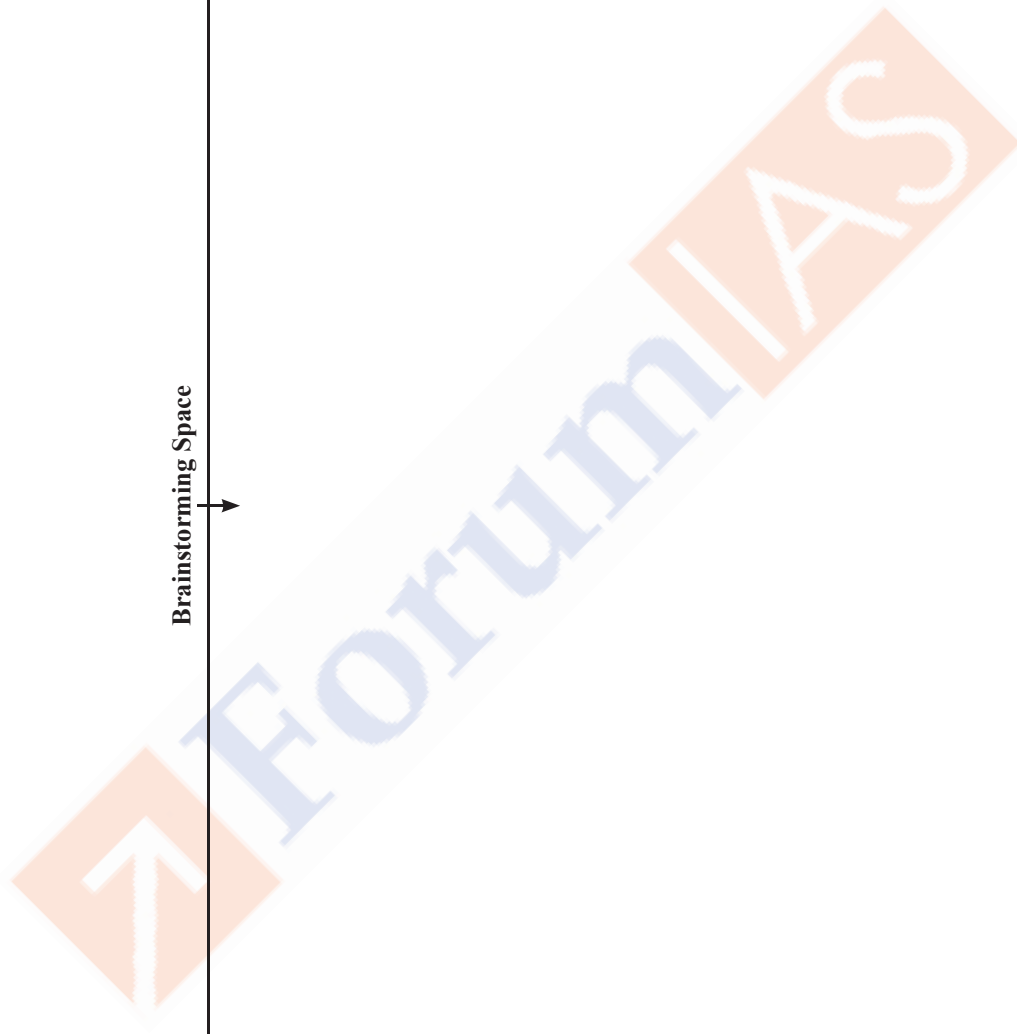
Brainstorming Space



**Q.118)** How do ocean currents and water masses differ in their impacts on marine life and coastal environment? Give suitable examples.

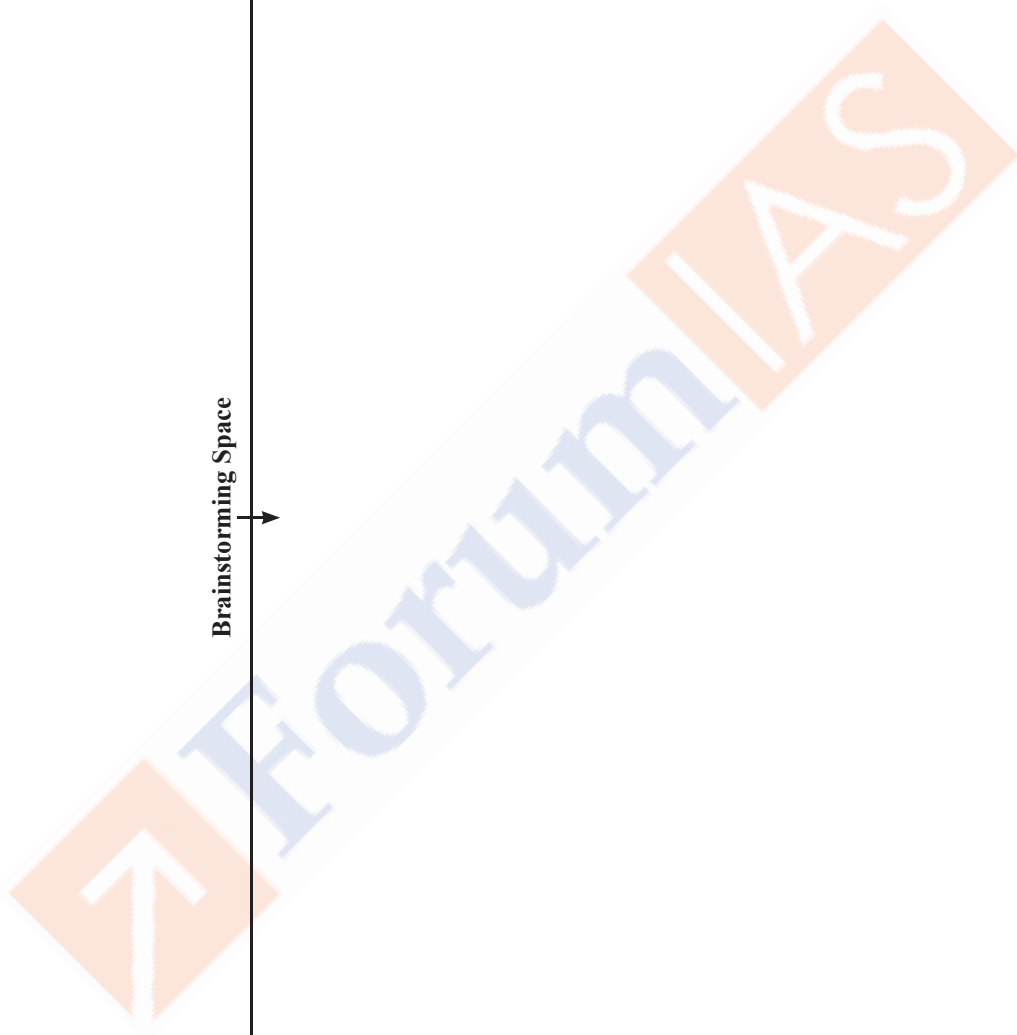
(15 Marks, 250 Words) [2019]

Brainstorming Space



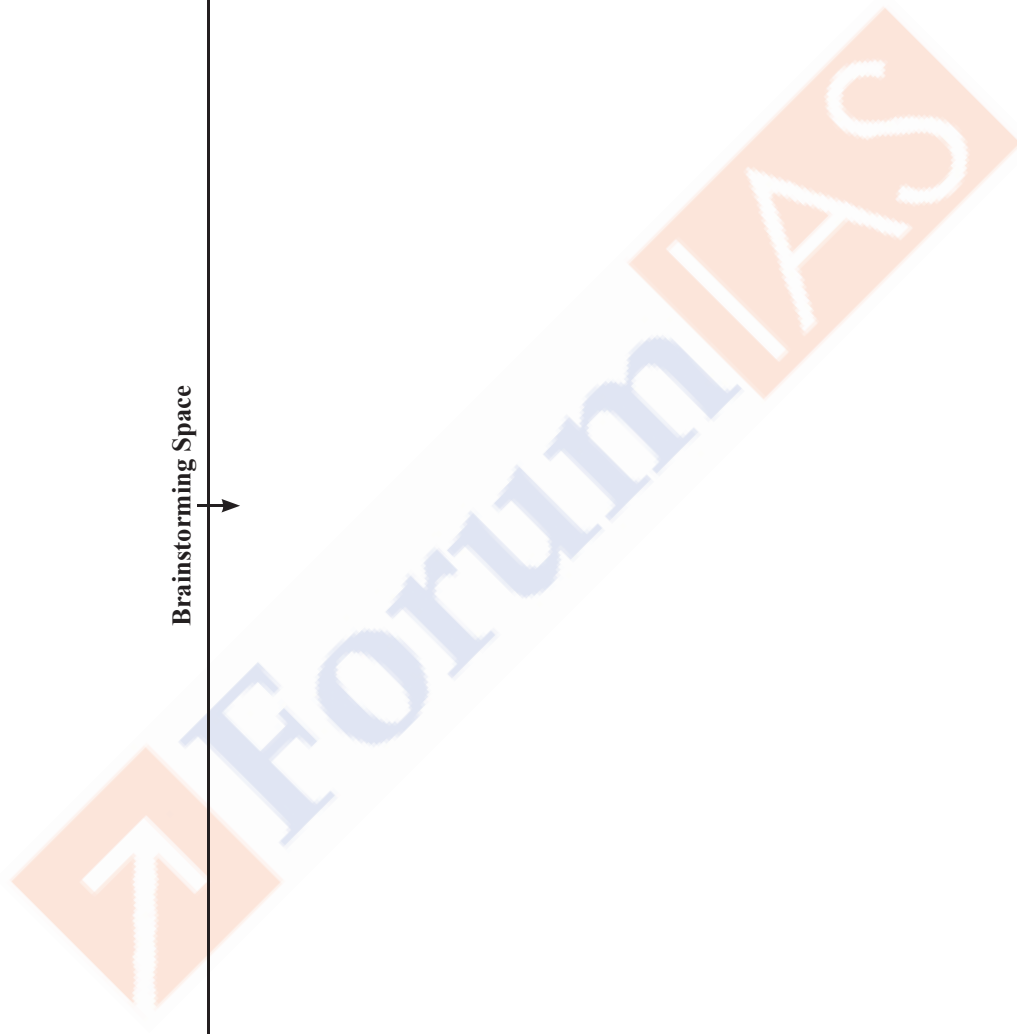
**Q.119)** Assess the impact of global warming on coral life system with examples. (10 Marks, 150 Words) [2019]

Brainstorming Space



**Q.120)** Account for variations in oceanic salinity and discuss its multi-dimensional effects. (15 Marks, 250 Words) [2017]

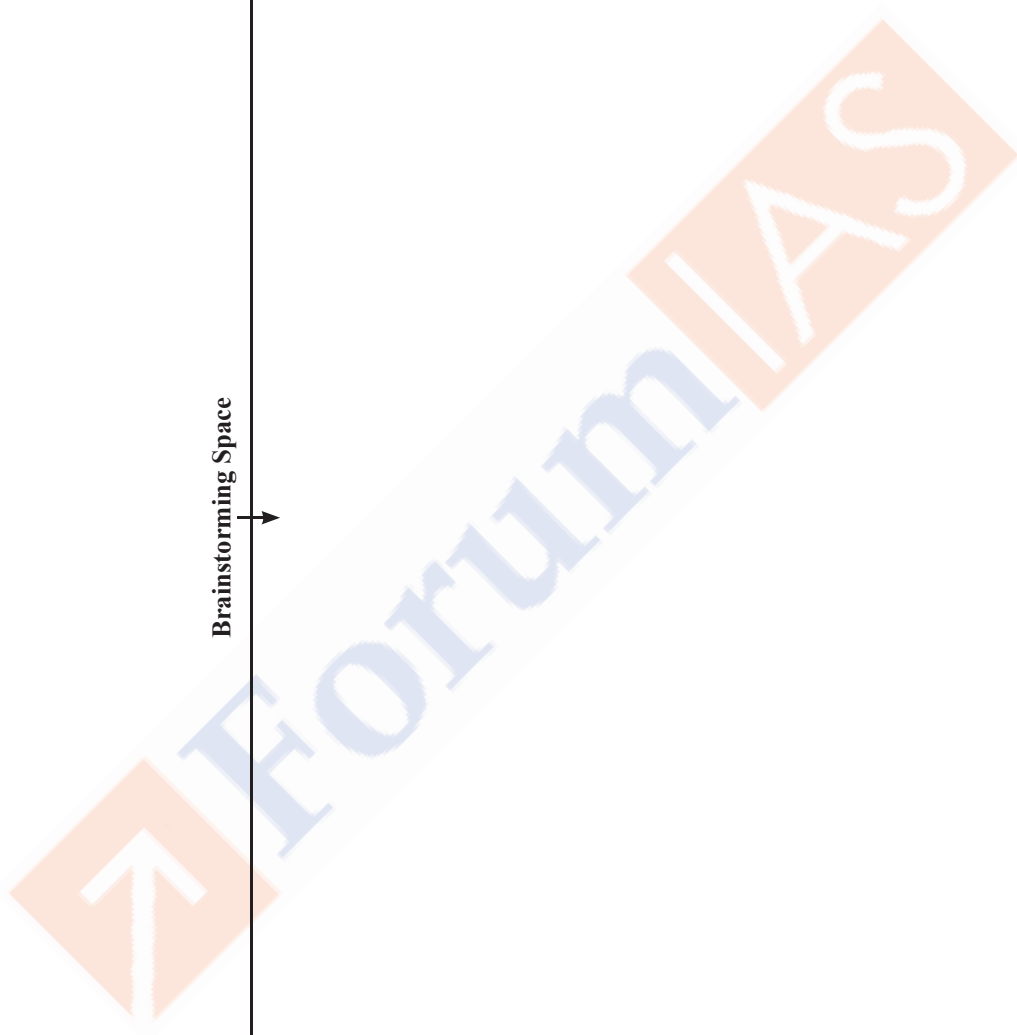
Brainstorming Space



**Q.121)** Explain the factors responsible for the origin of ocean currents. How do they influence regional climates, fishing and navigation?

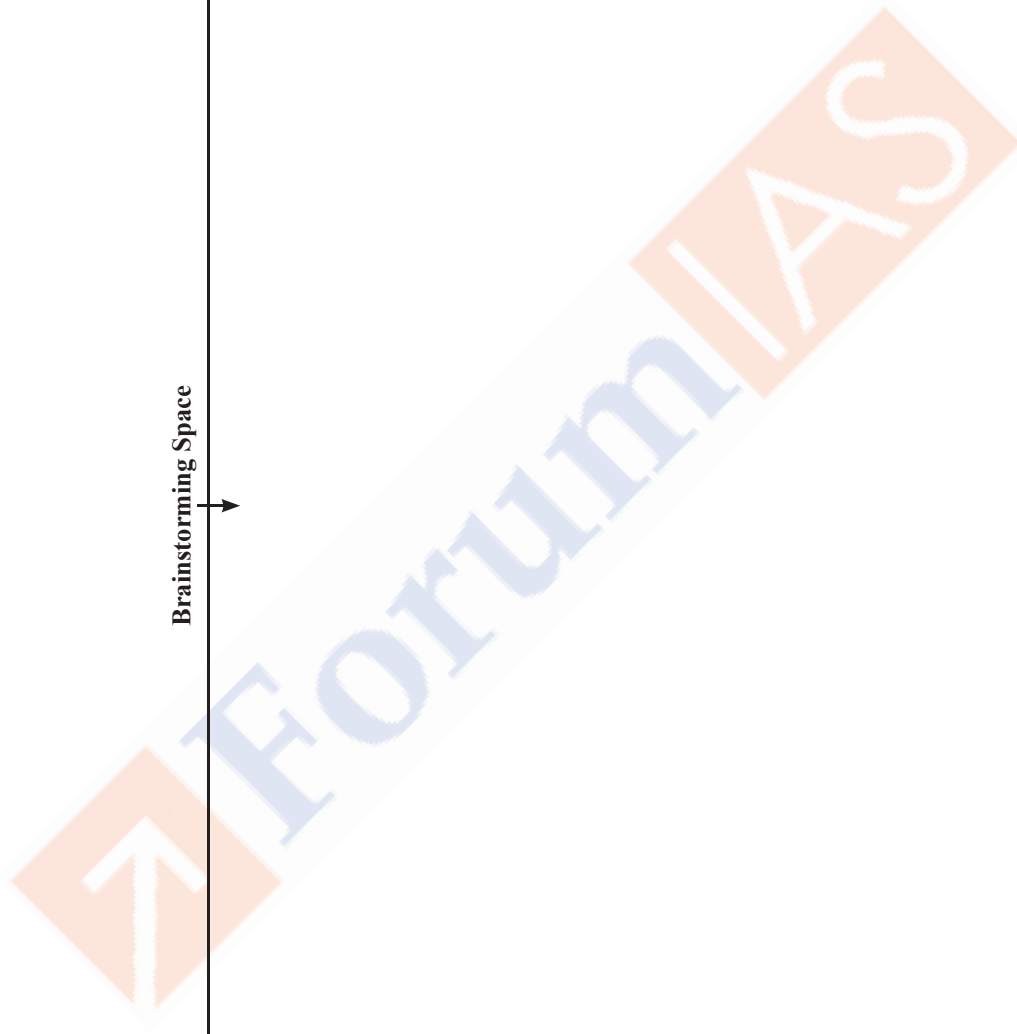
(12.5 Marks, 200 Words) [2015]

Brainstorming Space



**Q.122)** Explain the formation of thousands of islands in Indonesian and Philippines archipelagos. (12.5 Marks, 200 Words) [2014]

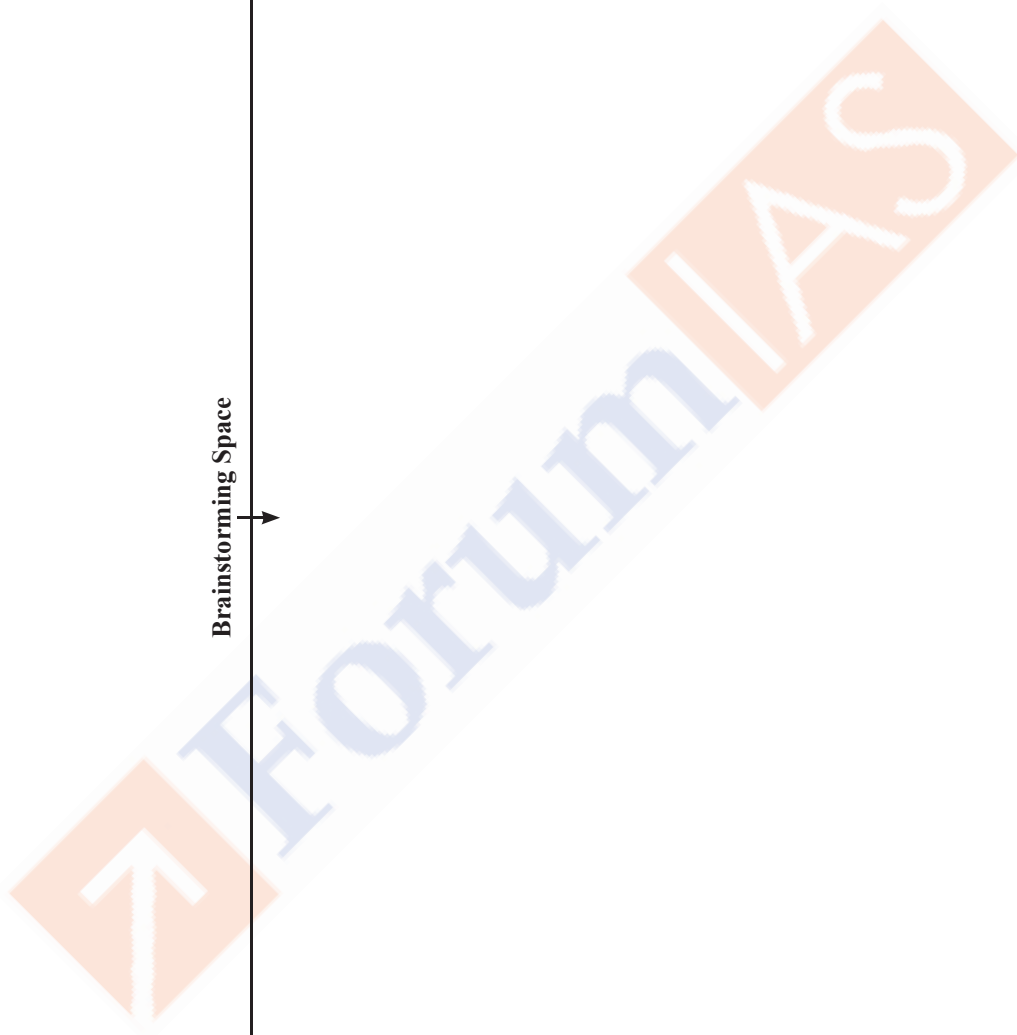
Brainstorming Space



**Q.123)** How do the Andaman and Nicobar Islands and the Lakshadweep differ in the geological evolution and topographical conditions?

(10 Marks, 150 Words) [1988]

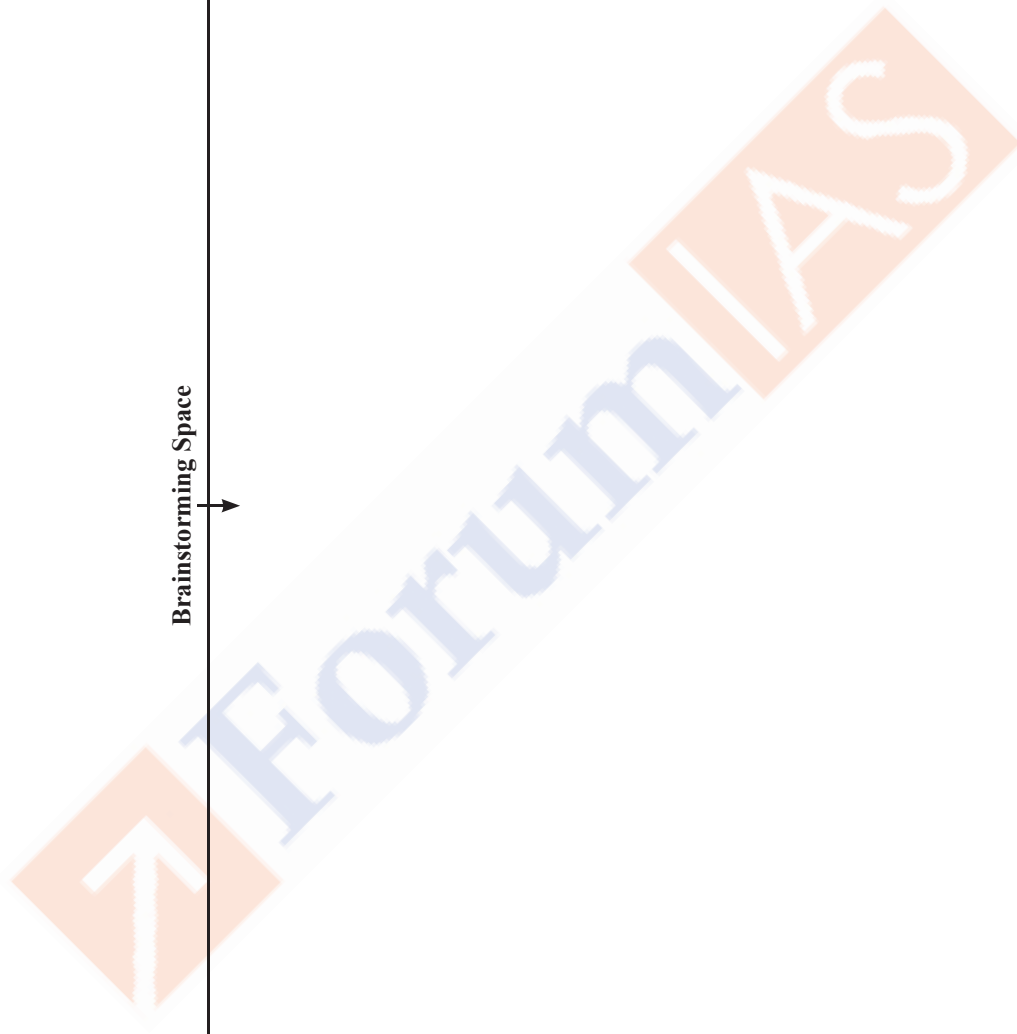
Brainstorming Space



Q.124) Describe the characteristics and types of primary rocks.

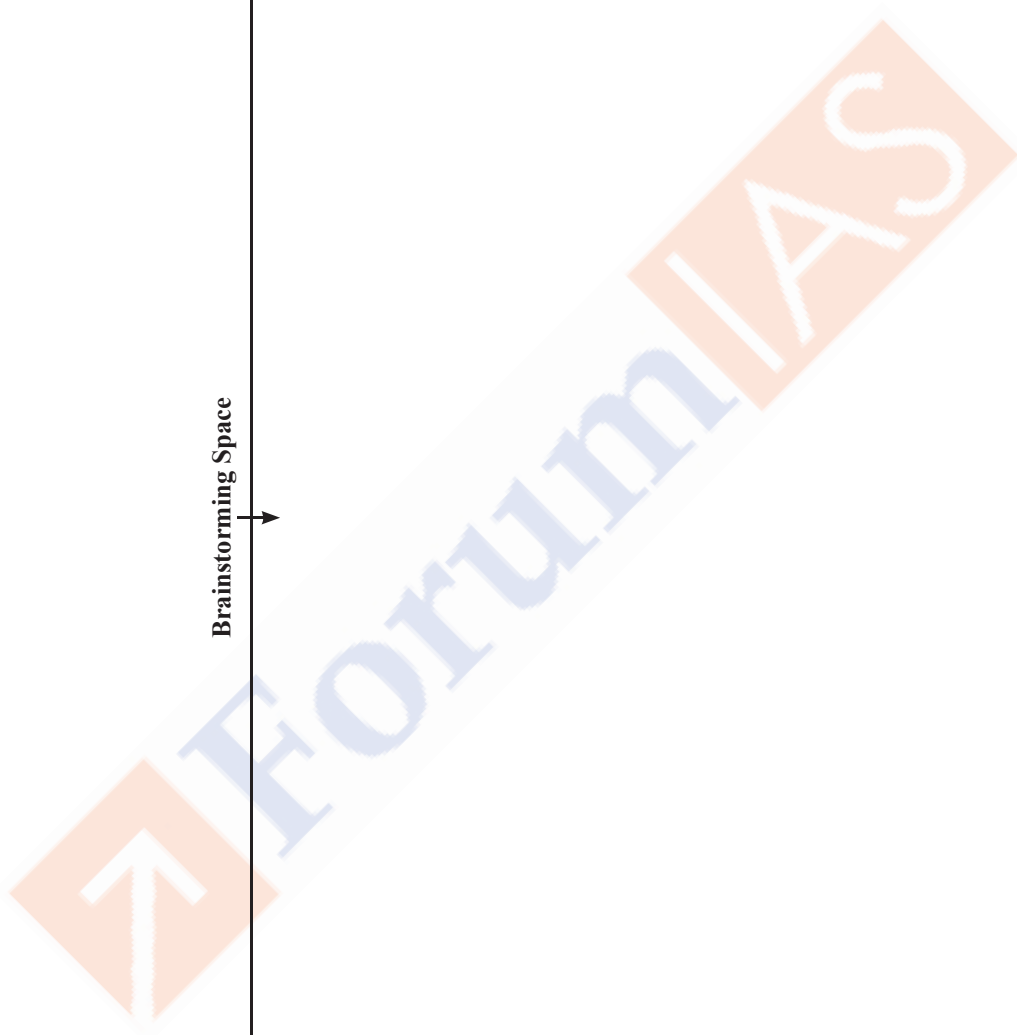
(10 Marks, 150 Words) [2022]

Brainstorming Space



**Q.125)** Discuss the multi-dimensional implications of the uneven distribution of mineral oil in the world. (15 Marks, 250 Words) [2021]

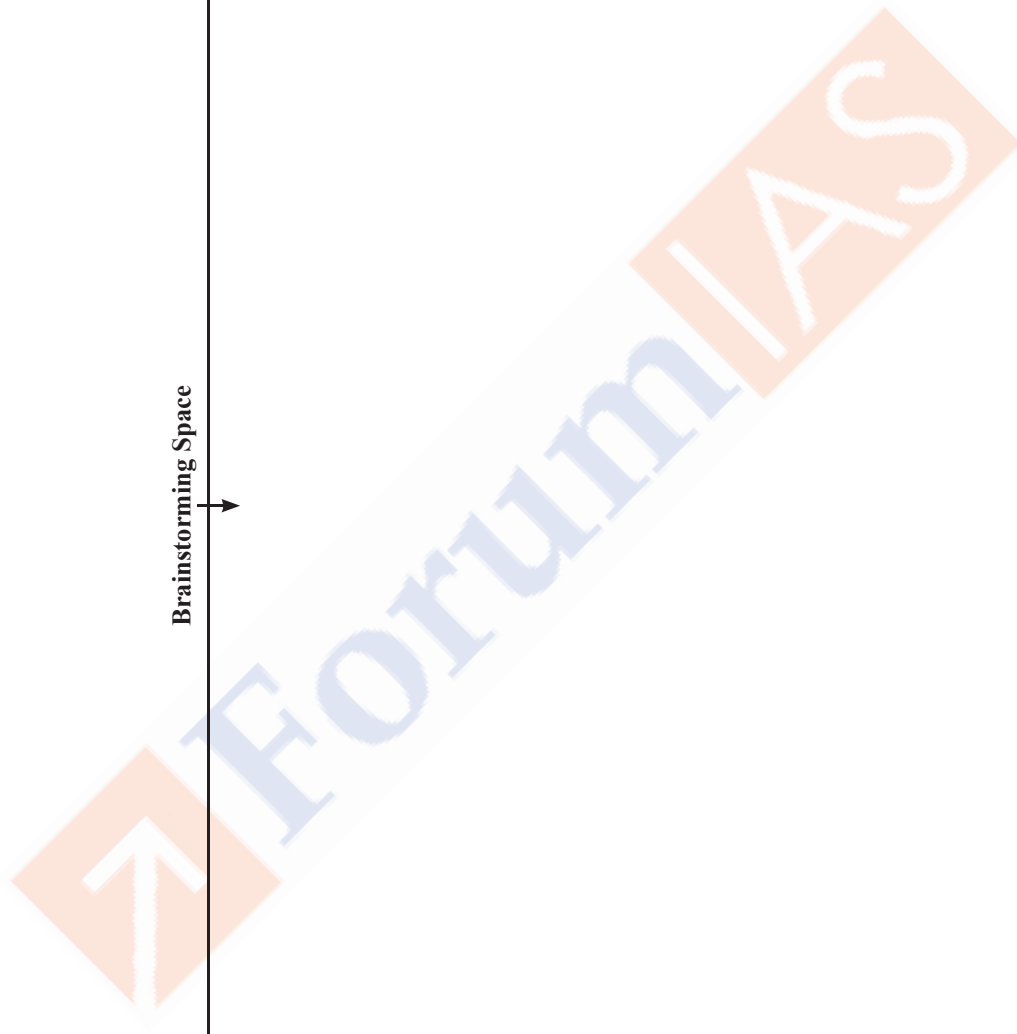
Brainstorming Space



Q.126) Causes of soil erosion and its control in India.

(10 Marks, 150 Words) [2005]

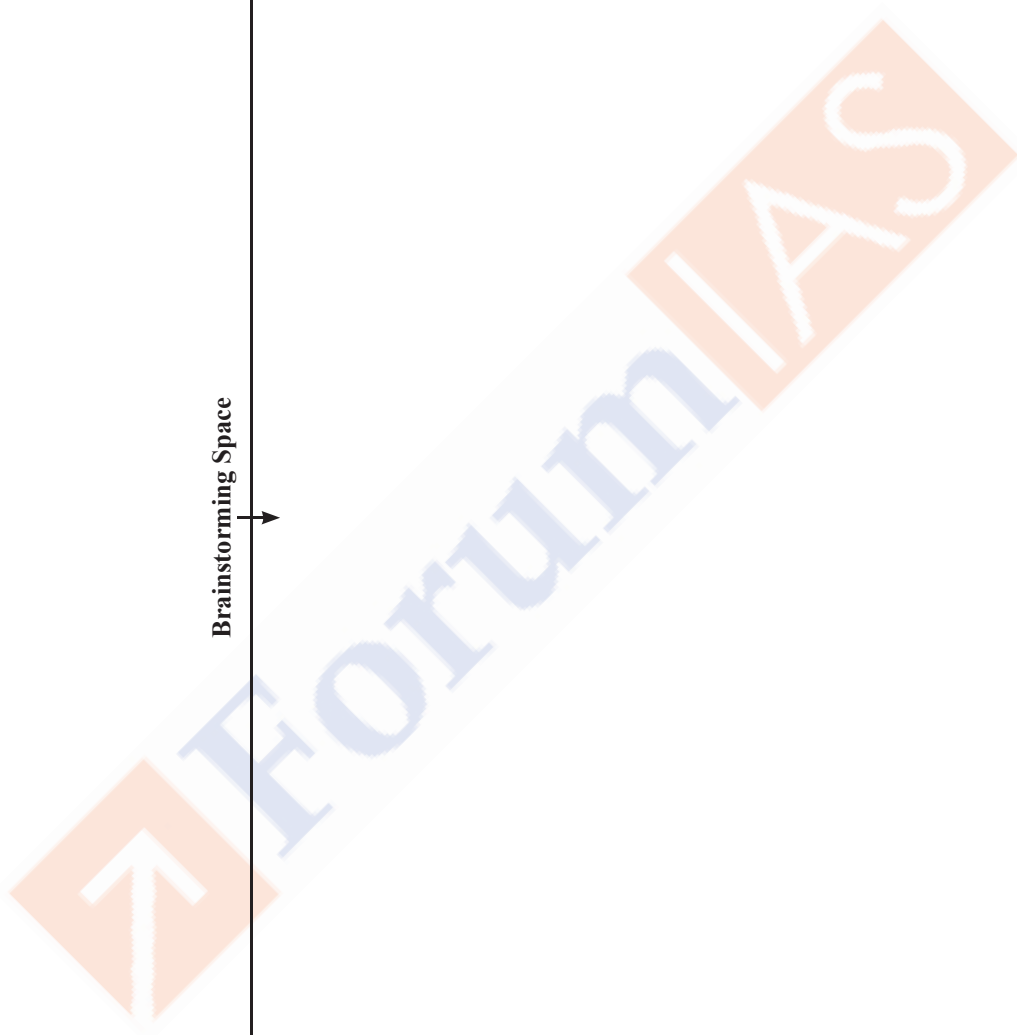
Brainstorming Space



**Q.127)** Why are the soils of Malwa in Madhya Pradesh black while those of Karnataka red? Discuss the relative fertility of these soils.

(10 Marks, 150 Words) [1994]

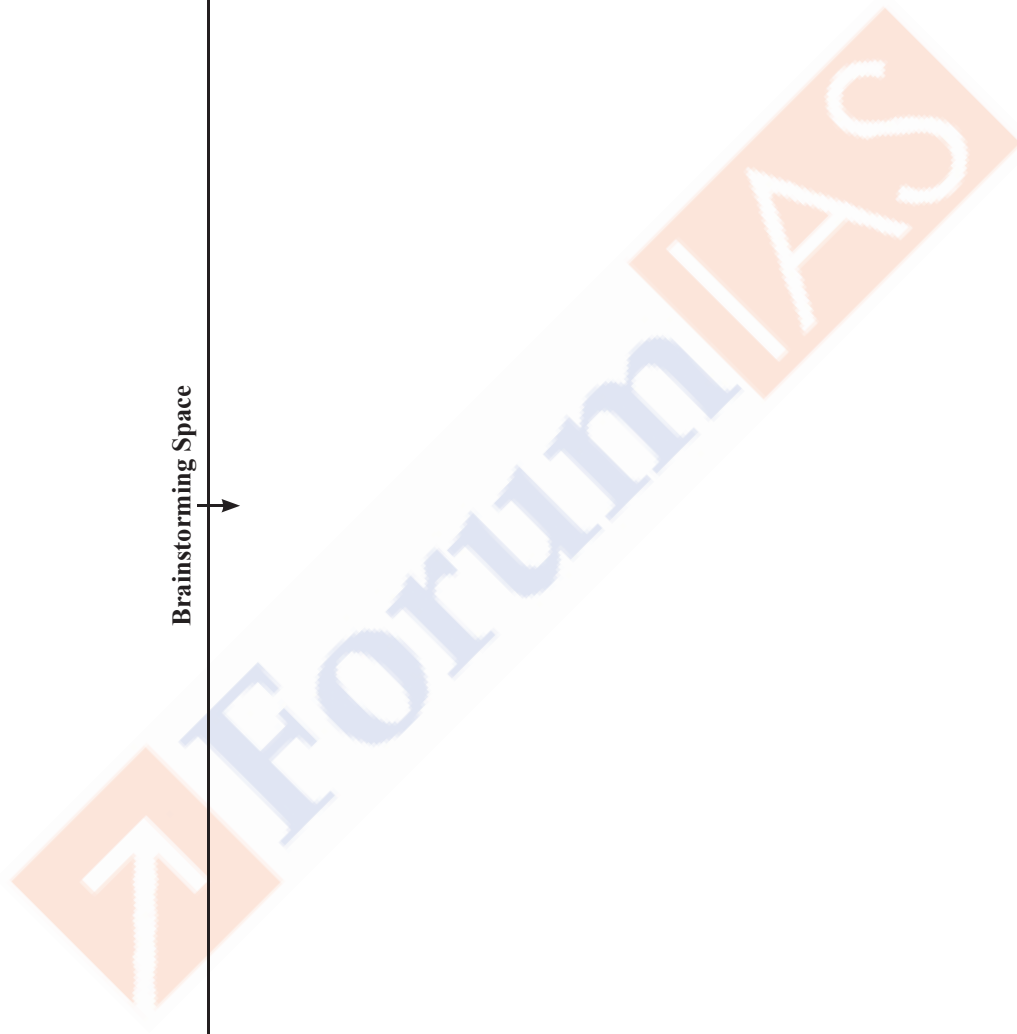
Brainstorming Space



**Q.128)** What is the need for soil conservation? What are the major measures taken by the Government towards conserving soil in India?

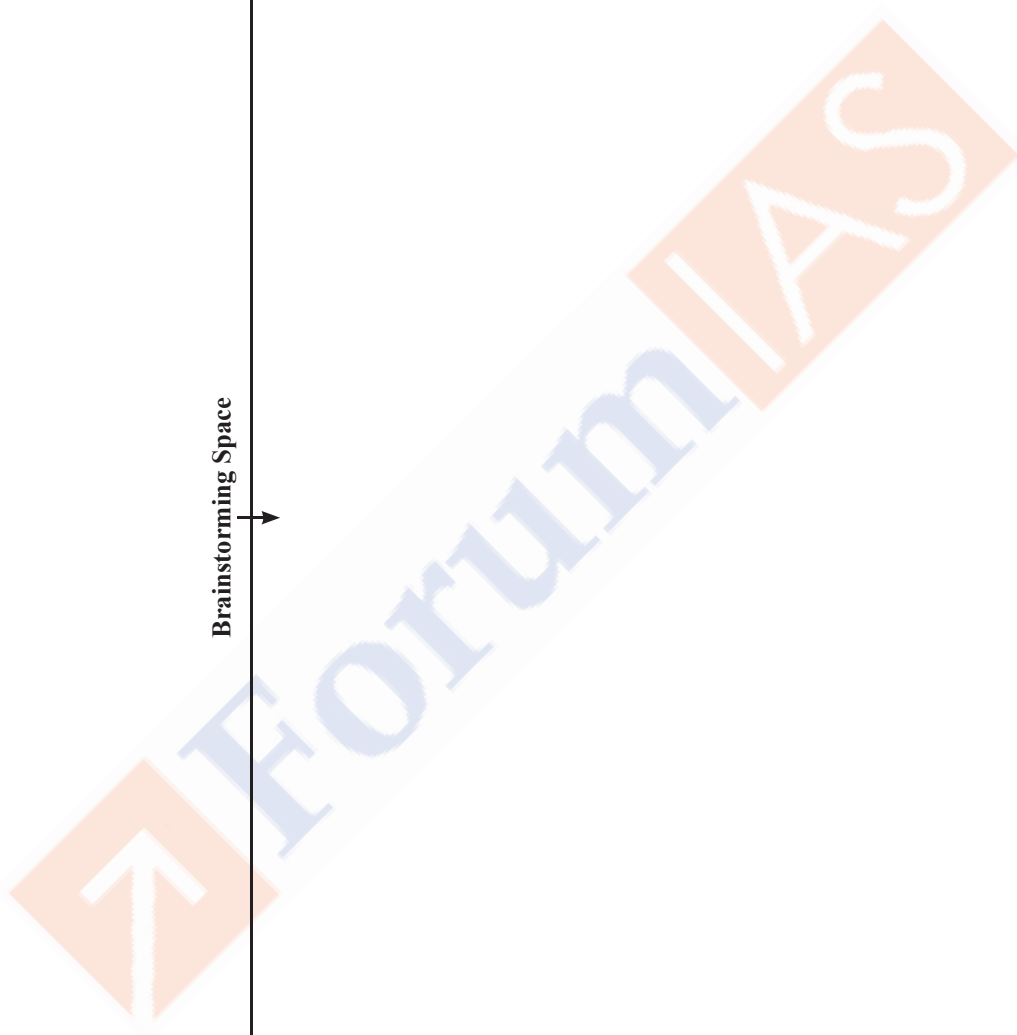
(10 Marks, 150 Words) [1990]

Brainstorming Space



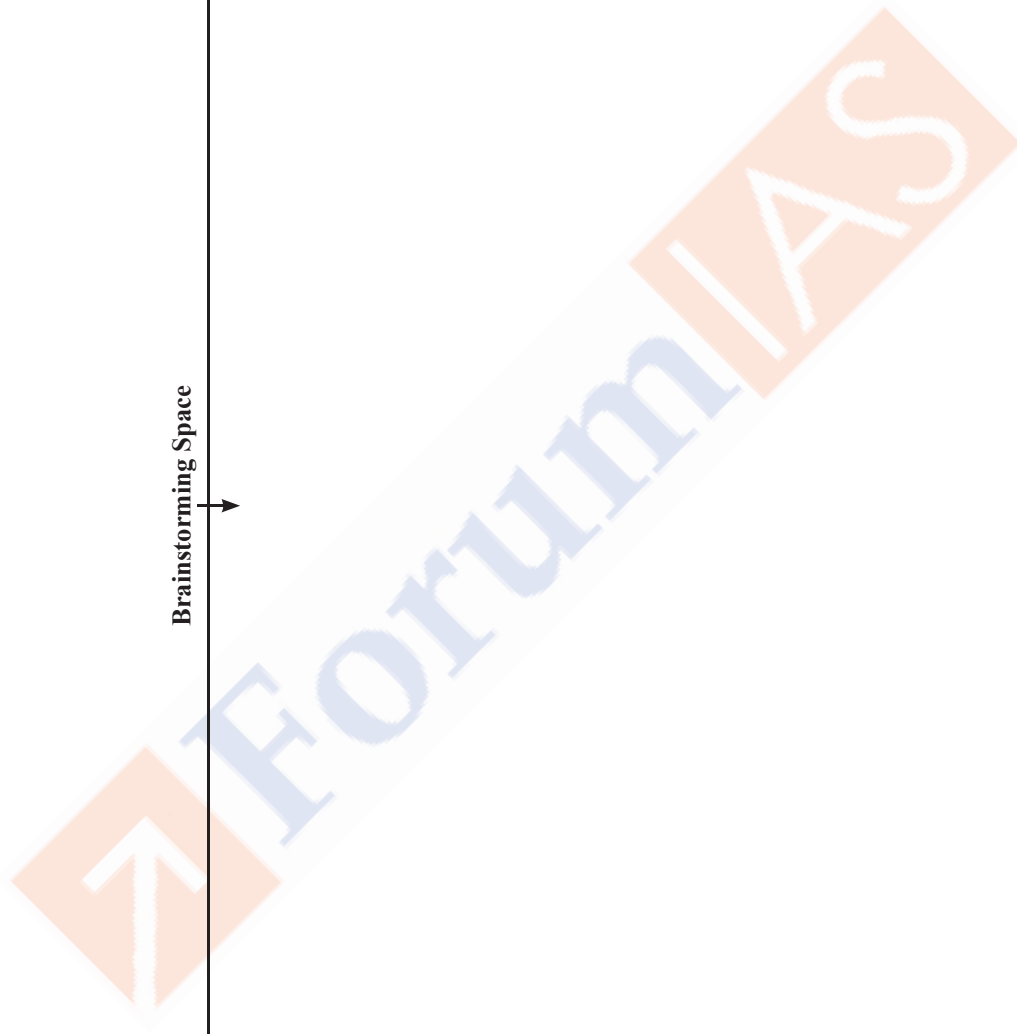
**Q.129)** What are black soils? Give their distribution in India and explain their uses and problems. (10 Marks, 150 Words) [1988]

Brainstorming Space



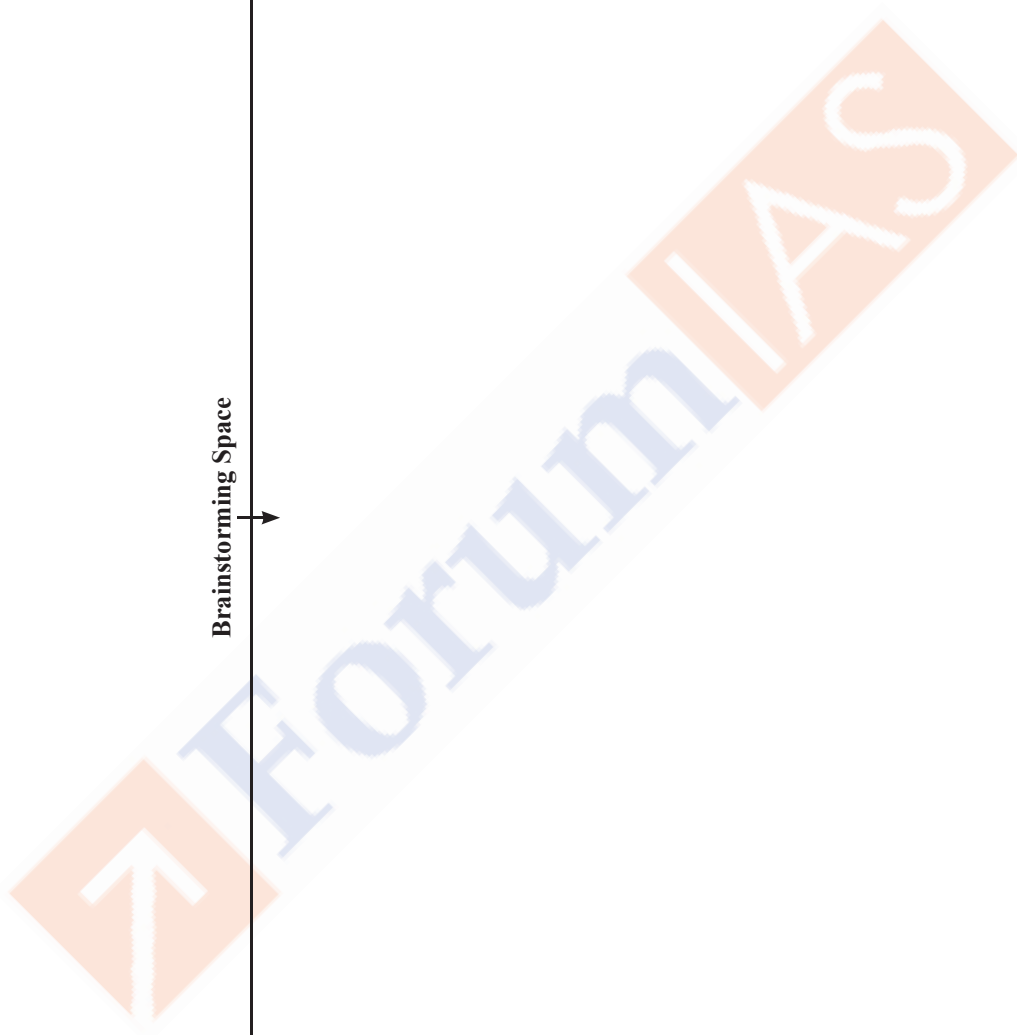
**Q.130)** What are laterite soils? Where do we find these types of soil? Explain their problem and most suitable use. (10 Marks, 150 Words) [1986]

Brainstorming Space



**Q.131)** Soil erosion is one of the most crucial problems in India. Describe the various kinds of soil erosion and steps which may be taken for the protection of land and soil. (10 Marks, 150 Words) [1984]

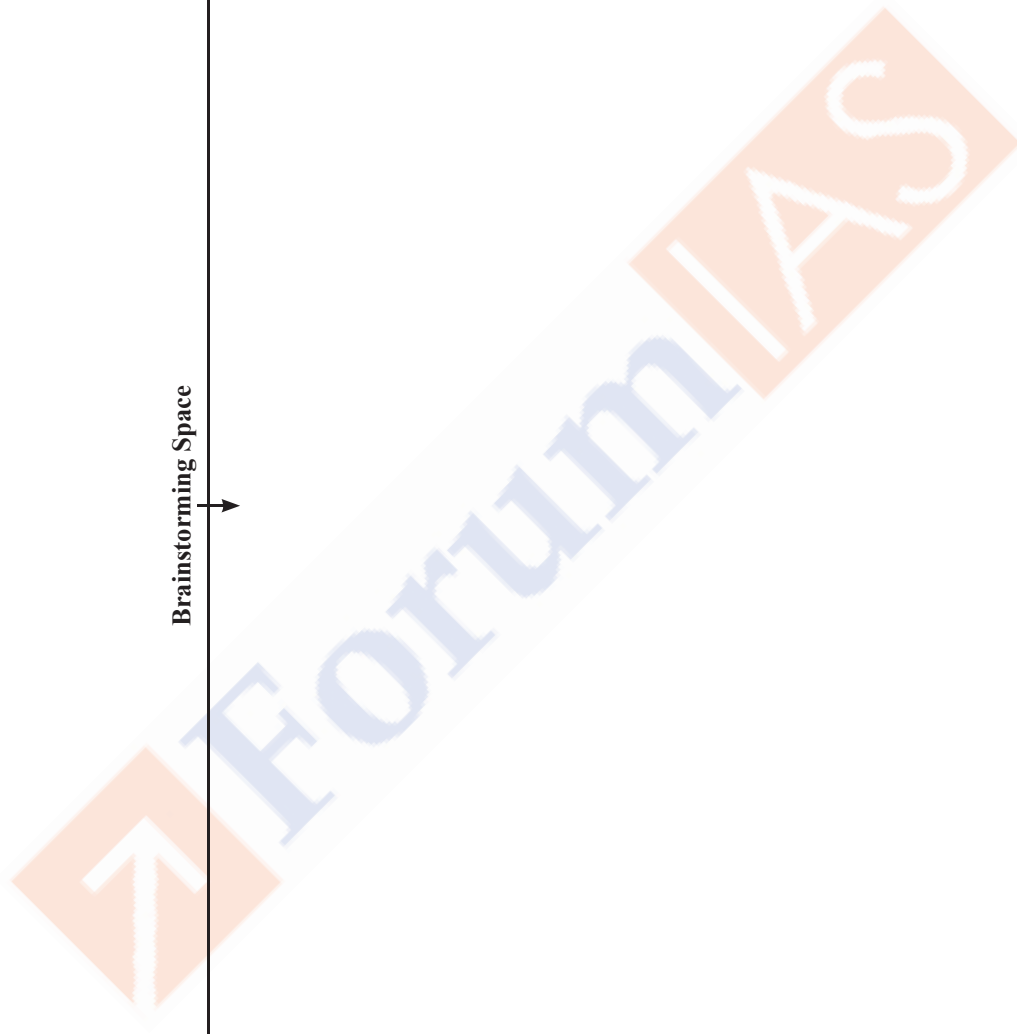
Brainstorming Space



**Q.132)** Describe the various types of soil and their distribution in India.

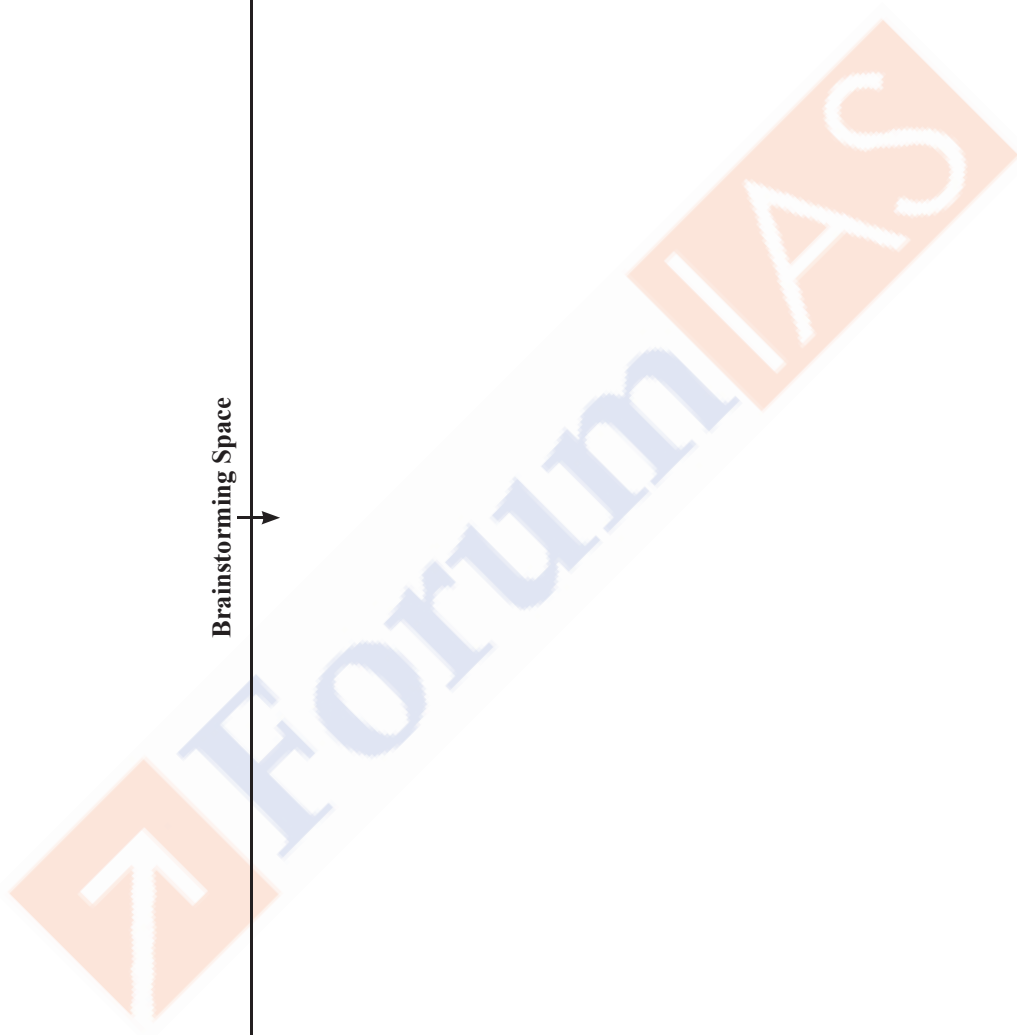
(15 Marks, 250 Words) [1983]

Brainstorming Space



**Q.133)** What are Tsunamis? How and where are they formed? What are their consequences? Explain with examples. (10 Marks, 150 Words) [2025]

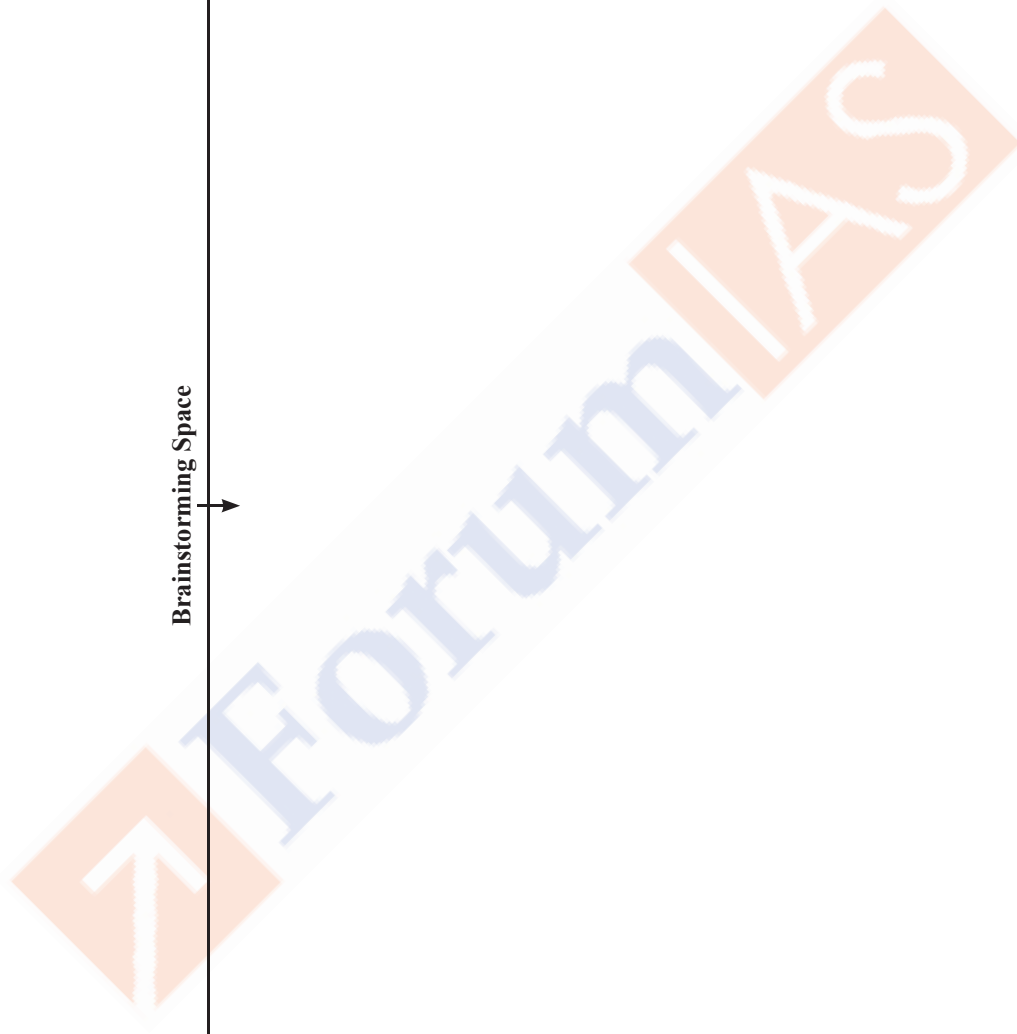
Brainstorming Space



**Q.134)** How are climate change and the sea level rise affecting the very existence of many island nations? Discuss with examples.

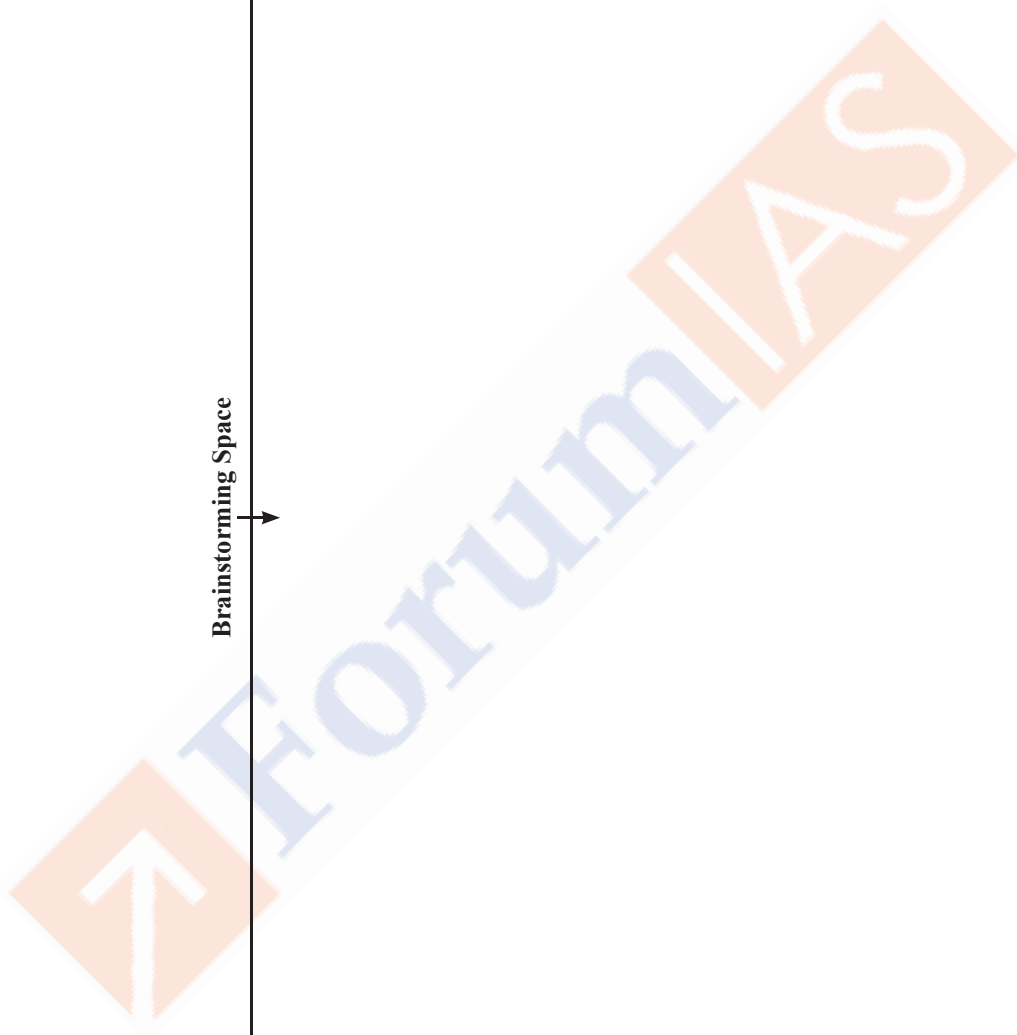
(10 Marks, 150 Words) [2025]

Brainstorming Space



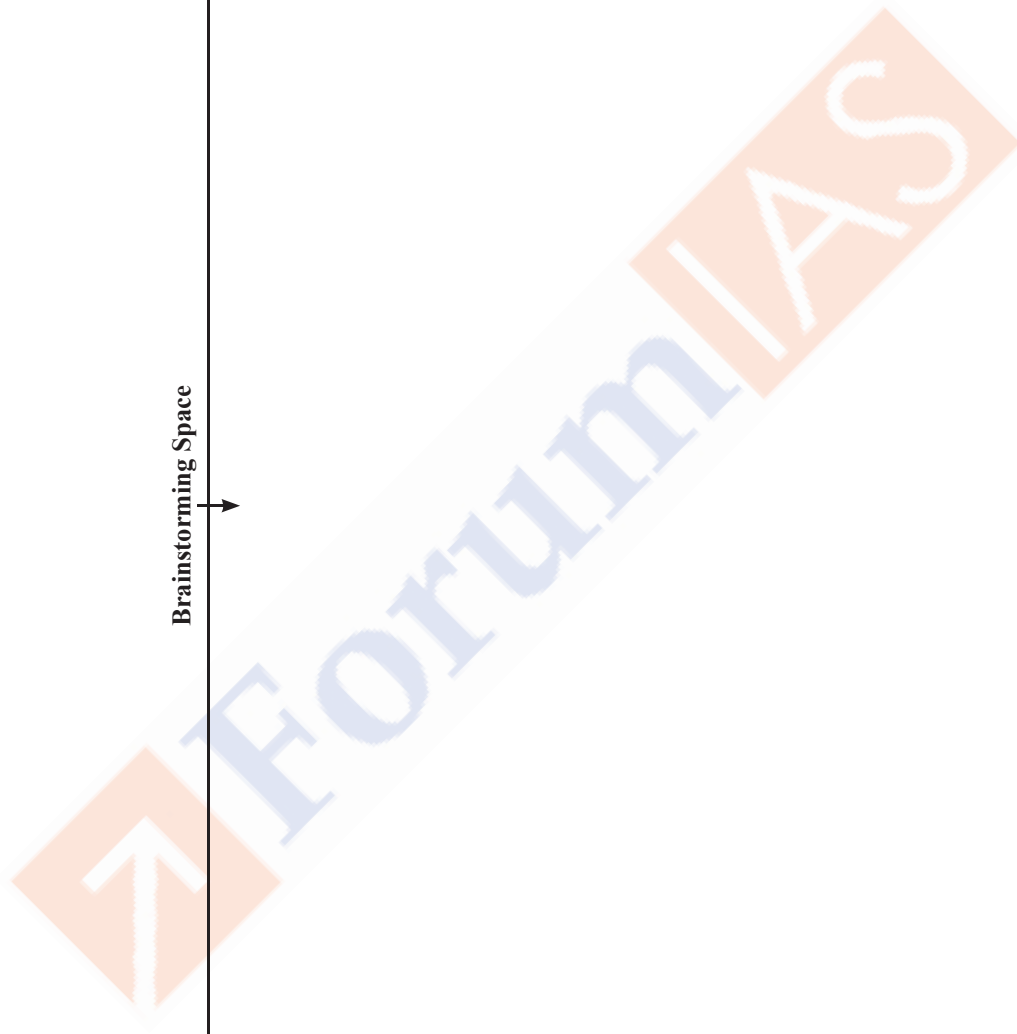
Q.135) Mention the global occurrence of volcanic eruptions in 2021 and their impact on the regional environment. (10 Marks, 150 Words) [2021]

Brainstorming Space



**Q.136)** Differentiate the causes of landslides in the Himalayan region and the Western Ghats. (10 Marks, 150 Words) [2021]

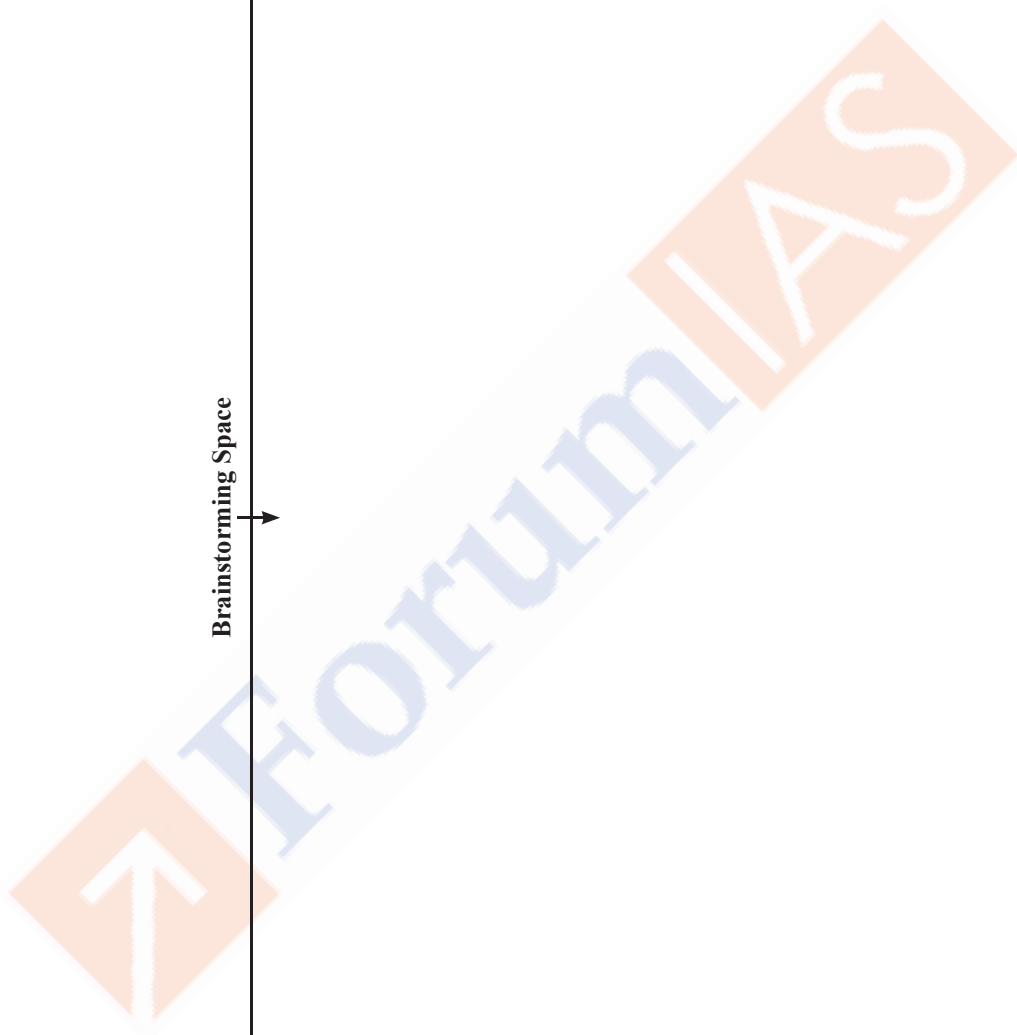
Brainstorming Space



**Q.137)** Bring out the causes for more frequent occurrence of landslides in the Himalayas than in the Western Ghats.

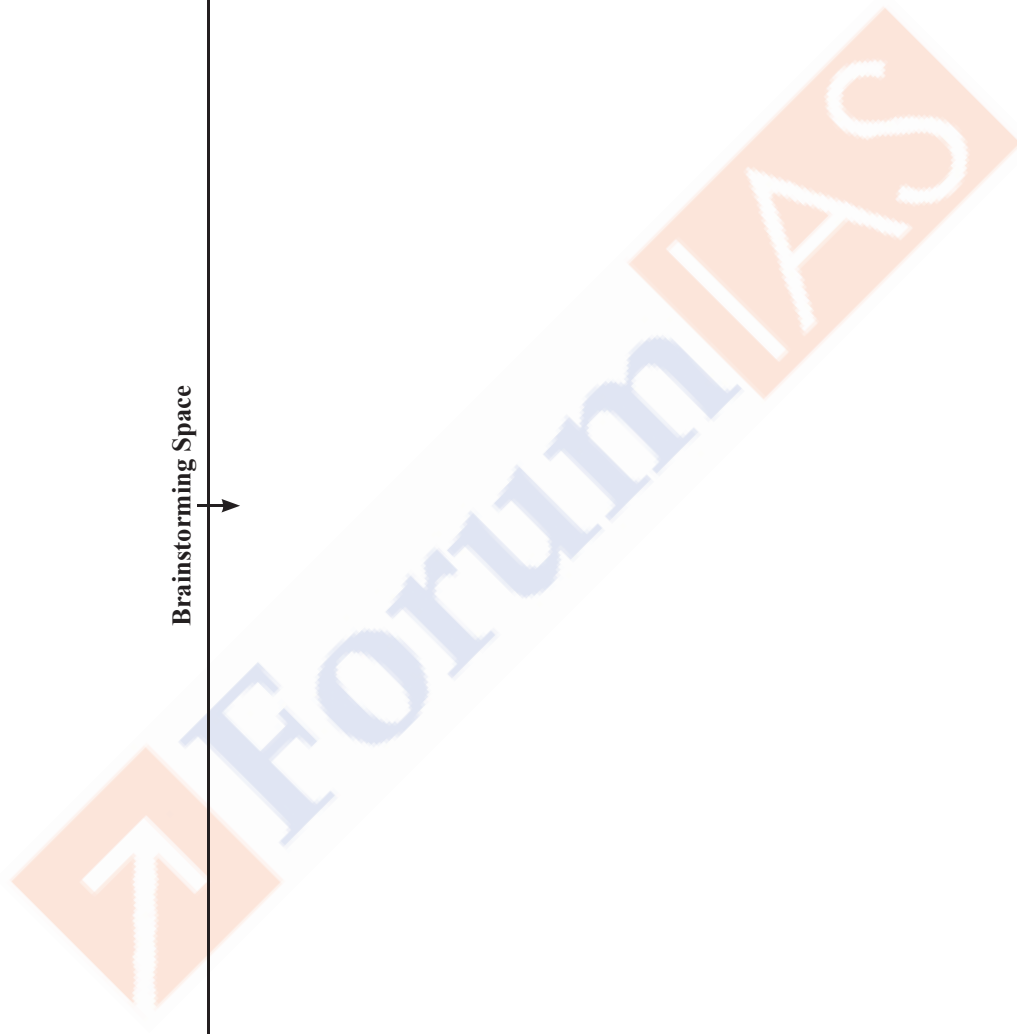
(10 Marks, 150 Words) [2013]

Brainstorming Space



**Q.138)** Account for the huge flooding of million cities in India including the smart ones like Hyderabad and Pune. Suggest lasting remedial measures. (15 Marks, 250 Words) [2020]

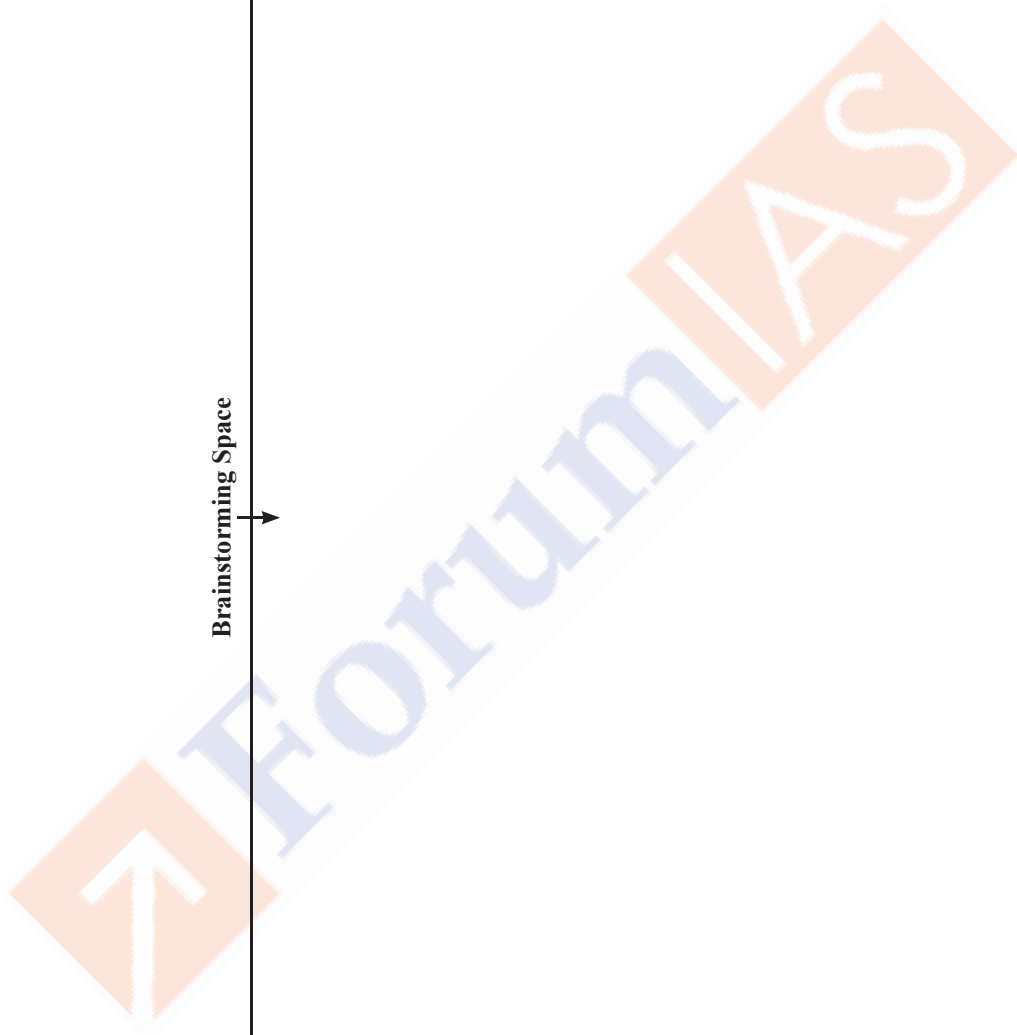
Brainstorming Space



**Q.139)** In what way can floods be converted into a sustainable source of irrigation and all-weather inland navigation in India?

(15 Marks, 250 Words) [2017]

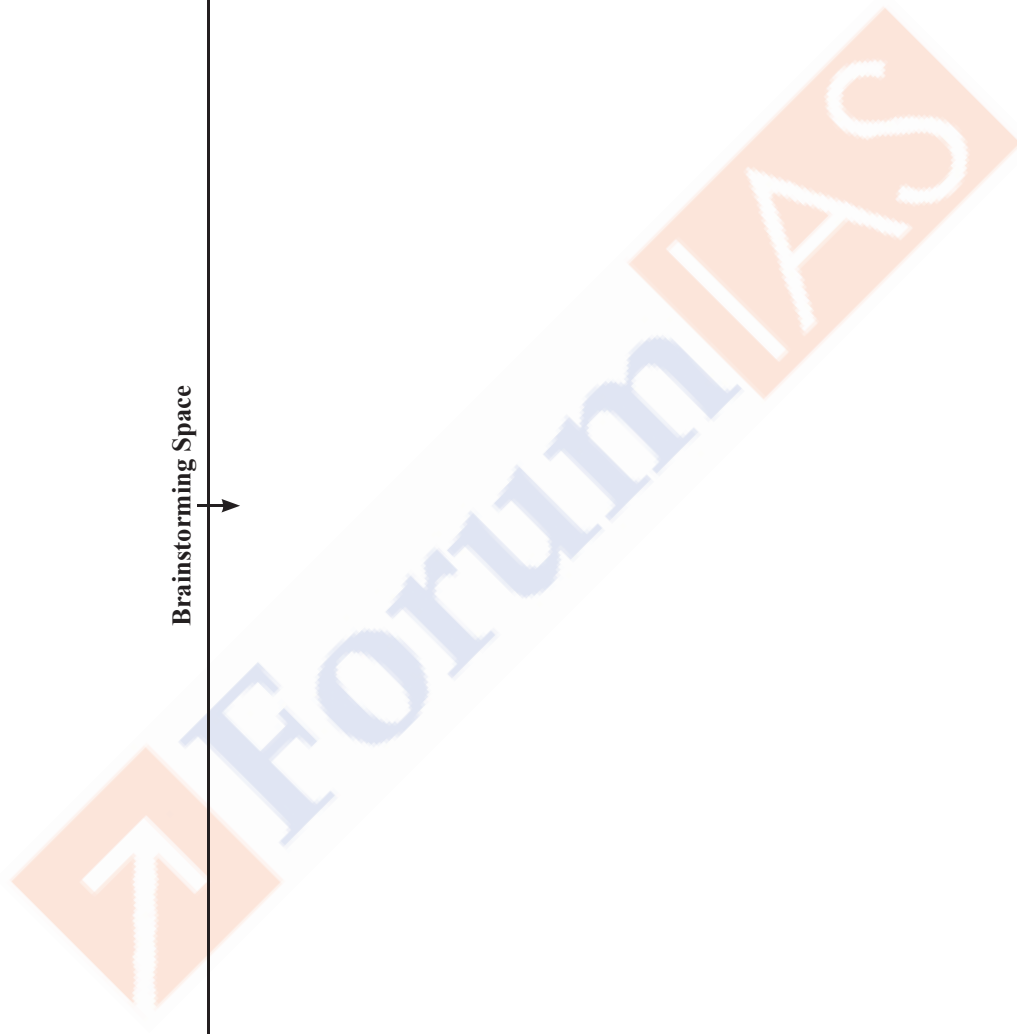
Brainstorming Space



**Q.140)** The Himalayas are highly prone to landslides! Discuss the causes and suggest suitable measures of mitigation.

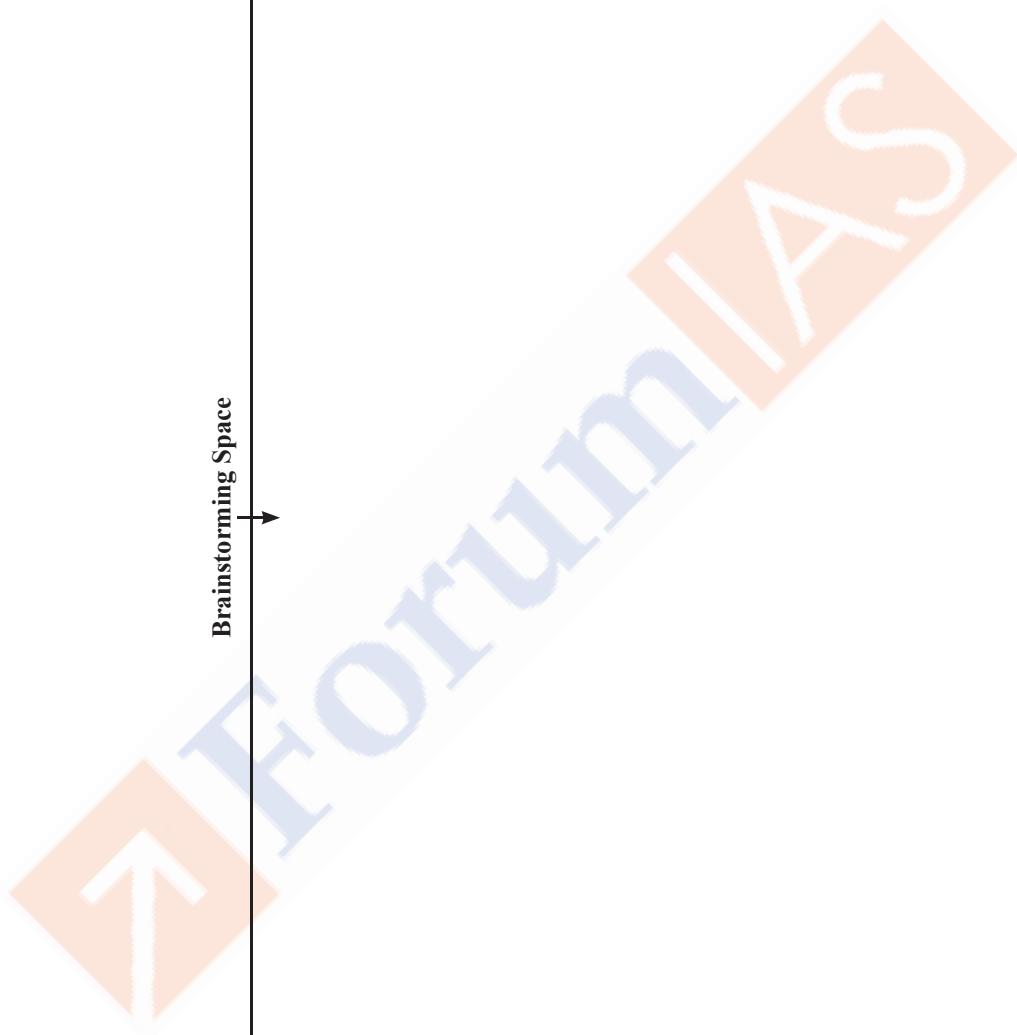
(12.5 Marks, 200 Words) [2016]

Brainstorming Space



**Q.141)** Major cities of India are becoming more vulnerable to flood conditions. Discuss. (12.5 Marks, 200 Words) [2016]

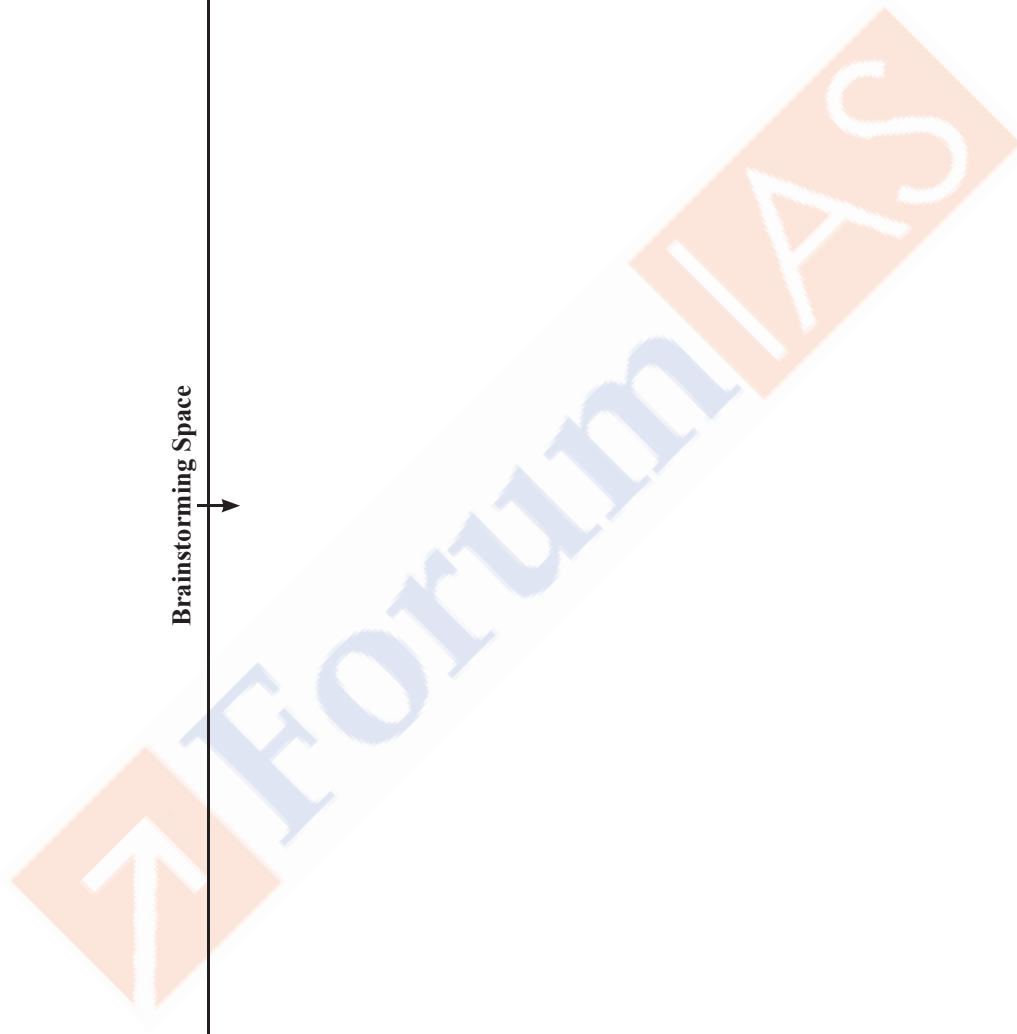
Brainstorming Space



**Q.142)** In what way micro-watershed Development projects help in water conservation in drought prone and semi-arid regions of India.

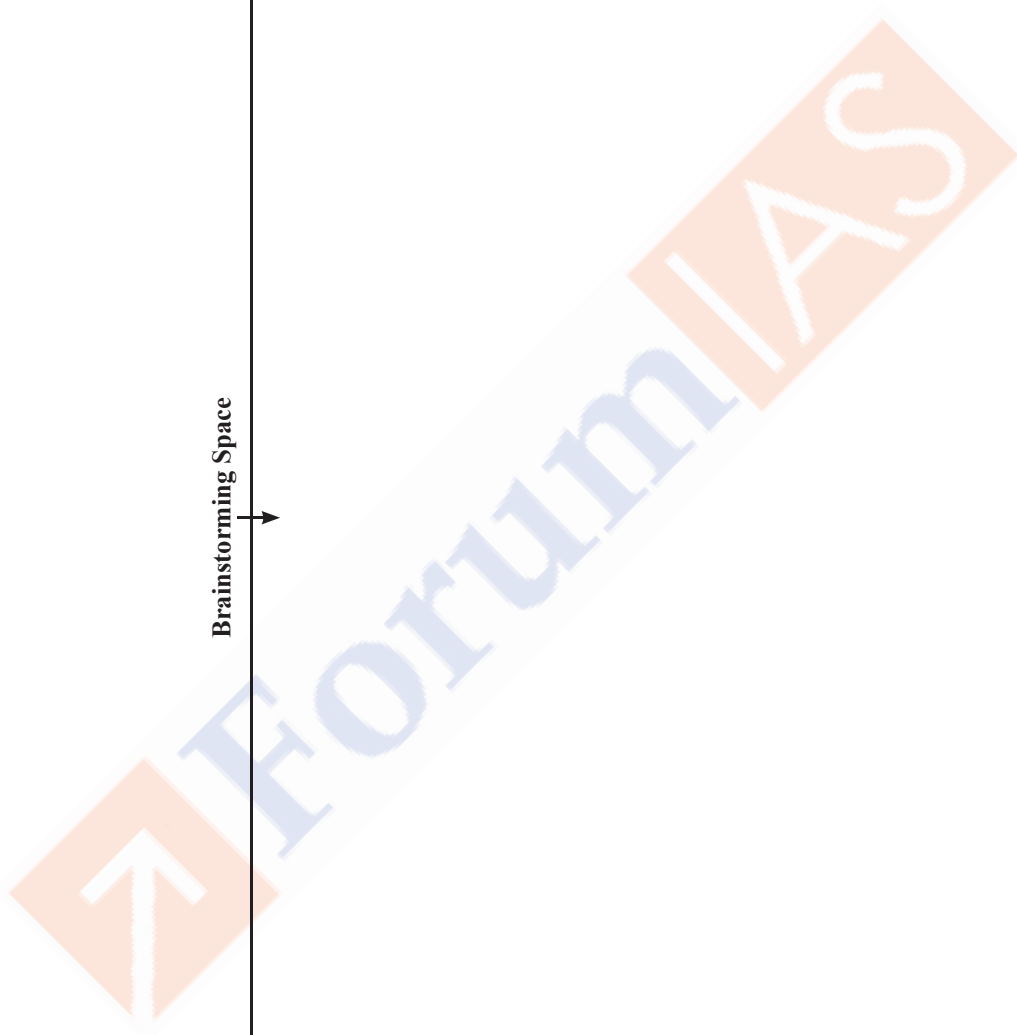
(12.5 Marks, 200 Words) [2016]

Brainstorming Space



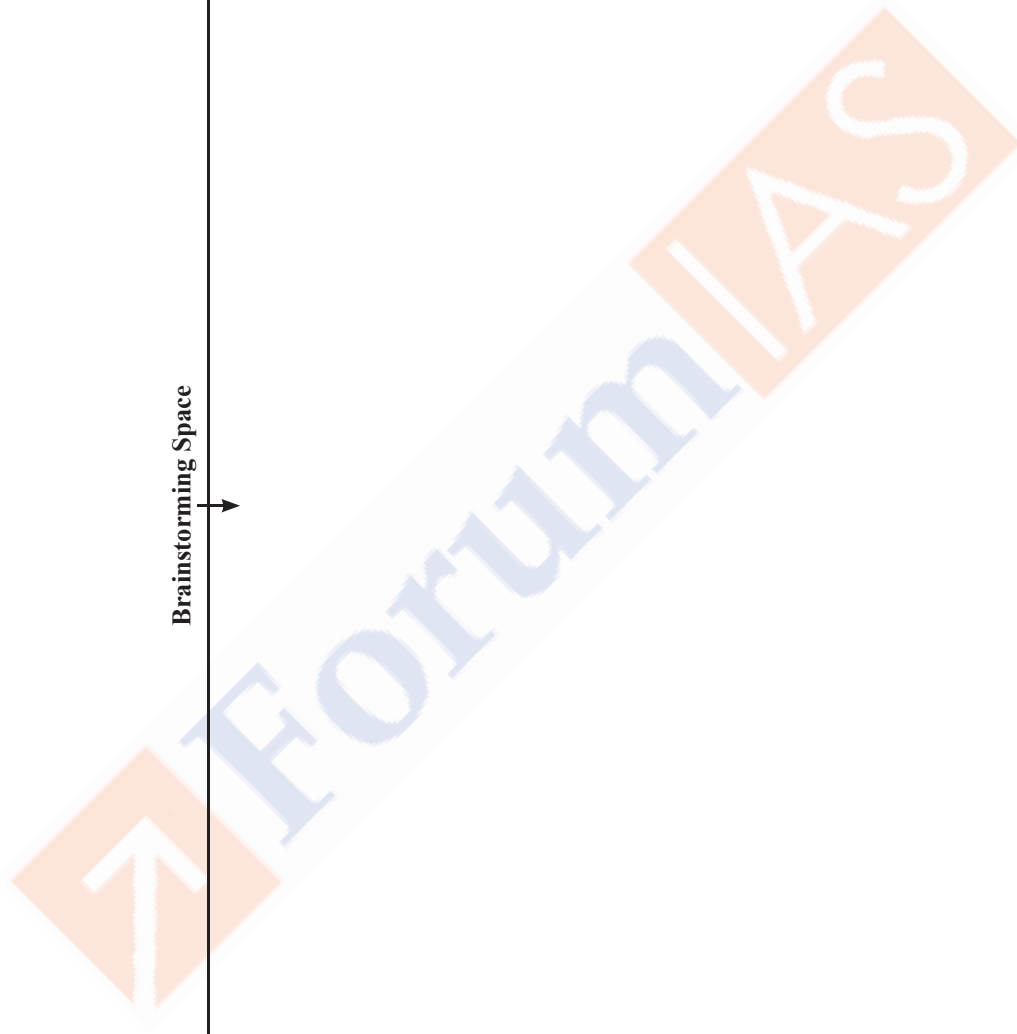
**Q.143)** Water-conservation has assumed an urgency particularly in drought prone areas. What are the methods available for controlling water evaporation from large surfaces and improving the water-holding capacity of the soil? (12.5 Marks, 200 Words) [1989]

Brainstorming Space



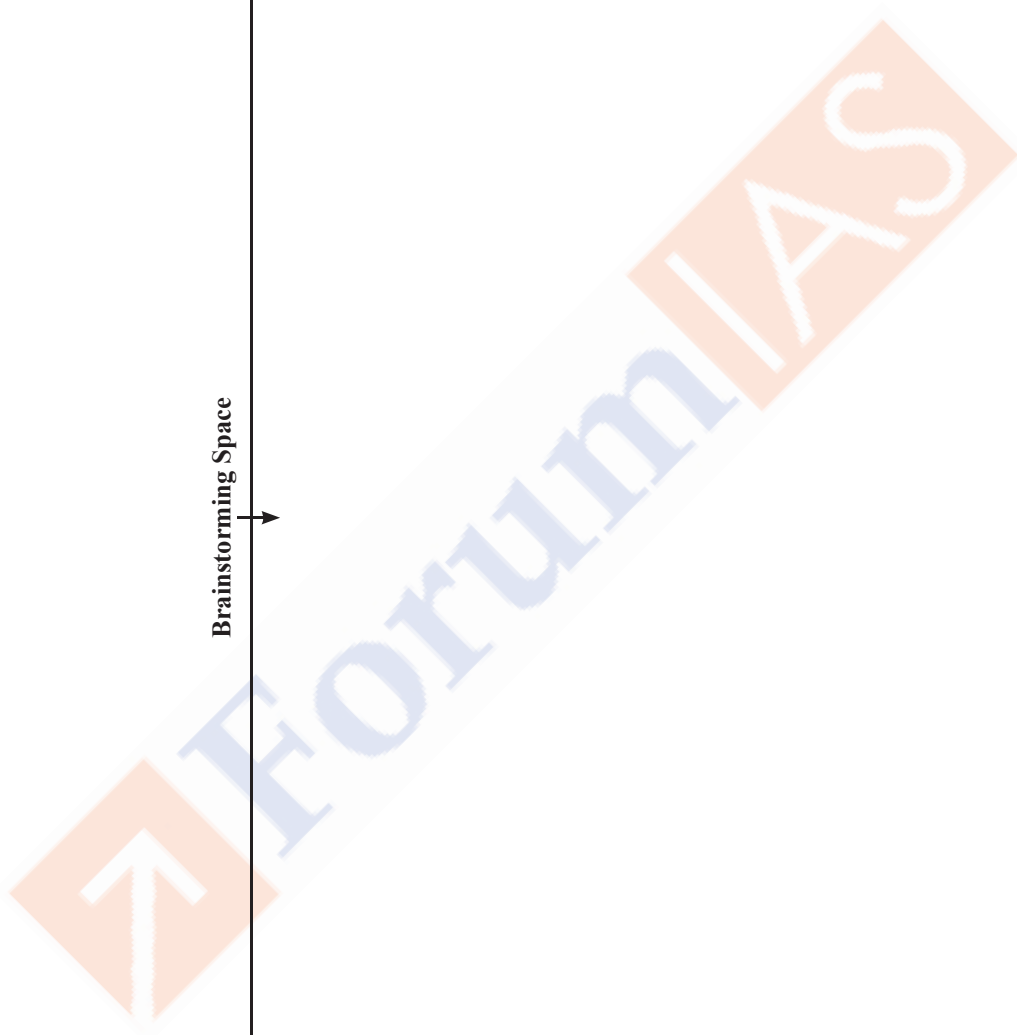
Q.144) Why did human development fail to keep pace with economic development in India? (15 Marks, 250 Words) [2023]

Brainstorming Space



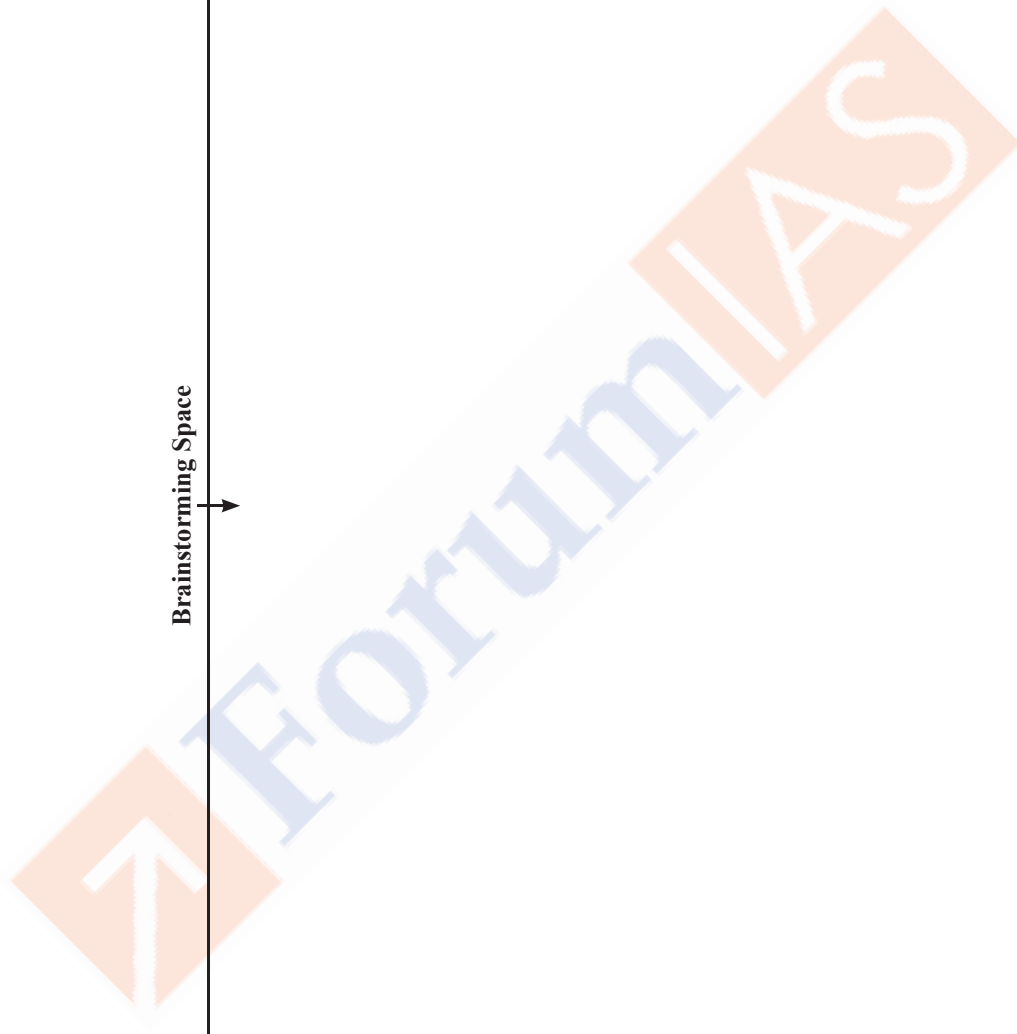
**Q.145)** The growth of cities as I.T. hubs has opened up new avenues of employment, but has also created new problems.' Substantiate this statement with examples. (15 Marks, 250 Words) [2017]

Brainstorming Space



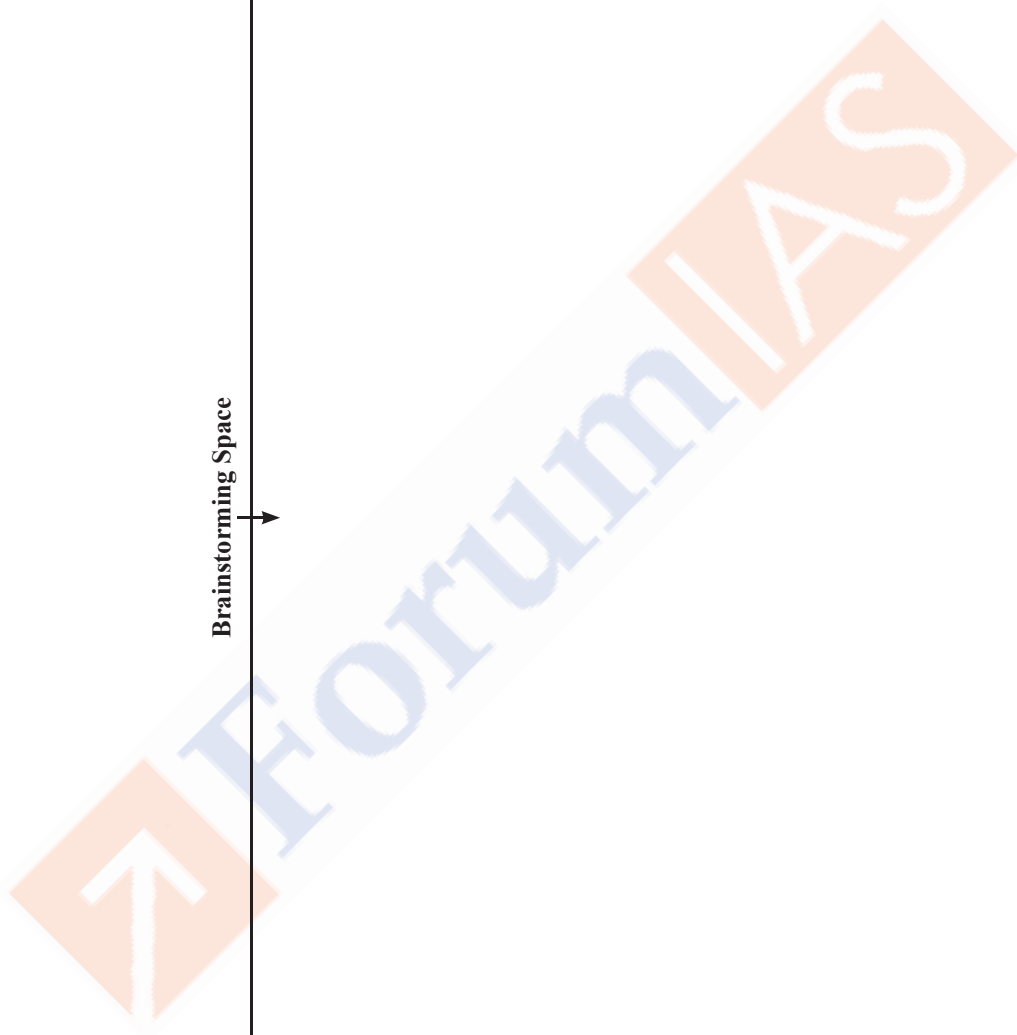
**Q.146)** The effective management of land and water resources will drastically reduce the human miseries. Explain. (12.5 Marks, 200 Words) [2016]

Brainstorming Space



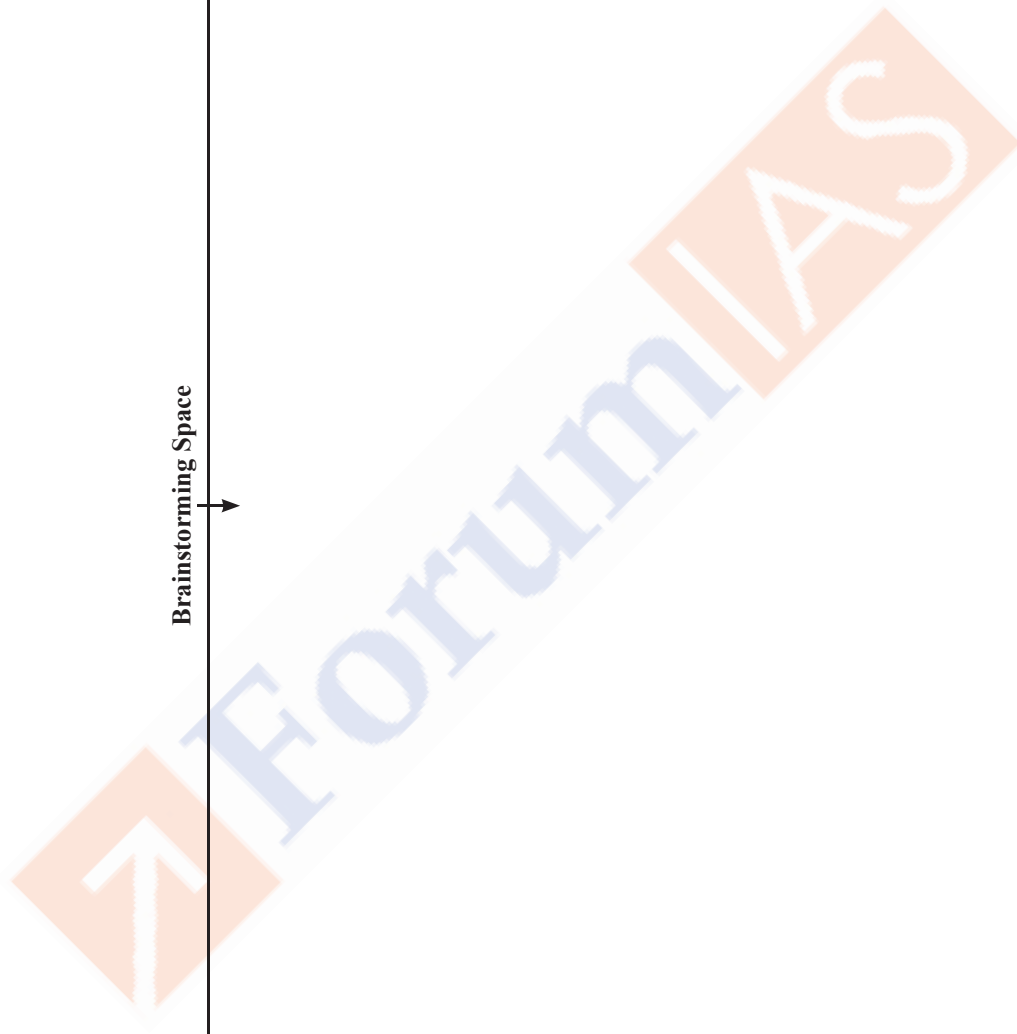
**Q.147)** Mumbai, Delhi and Kolkata are the three Mega cities of the country but the air pollution is much more serious problem in Delhi as compared to the other two. Why is this so? (12.5 Marks, 200 Words) [2015]

Brainstorming Space



**Q.148)** The states of Jammu and Kashmir, Himachal Pradesh and Uttarakhand are reaching the limits of ecological carrying capacity due to tourism. Critically evaluate. (12.5 Marks, 200 Words) [2015]

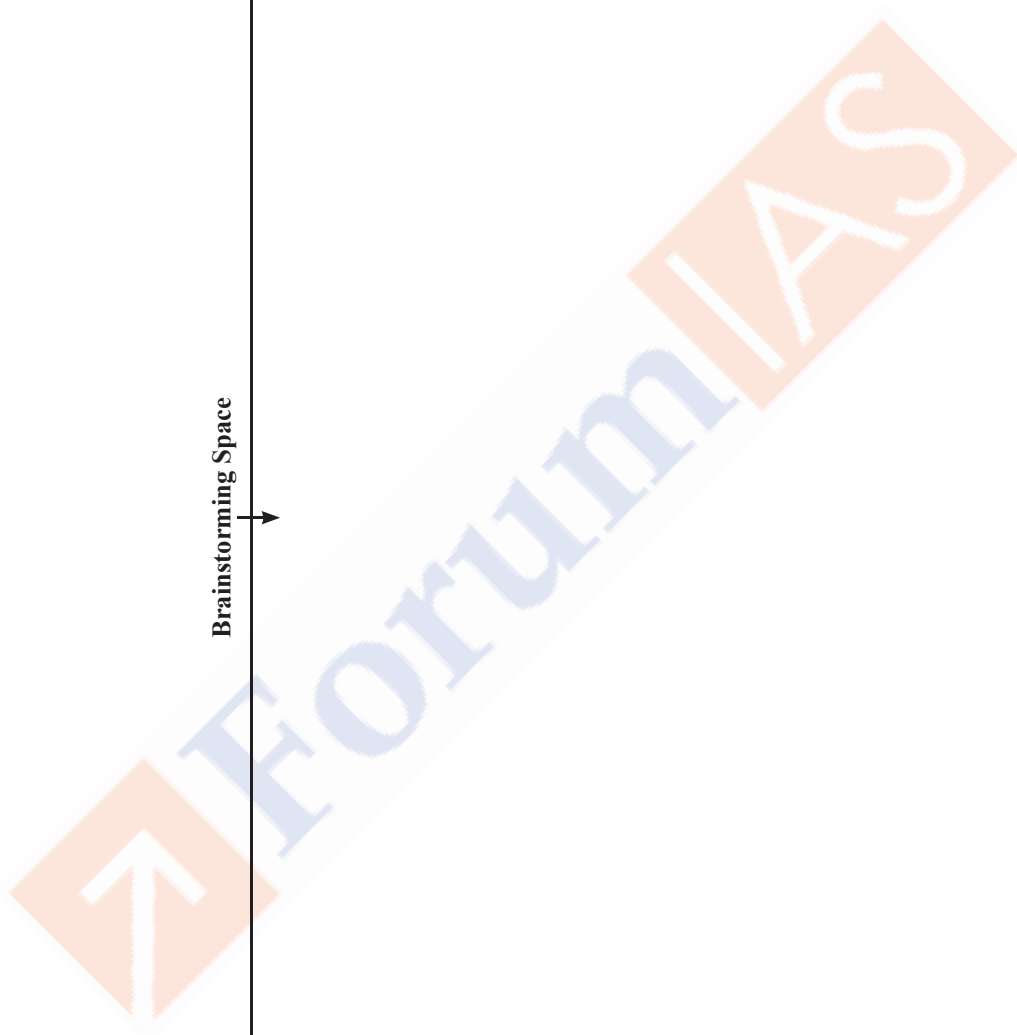
Brainstorming Space



**Q.149)** Discuss the distribution and density of population in the Ganga River Basin with special reference to land, soil and water resources.

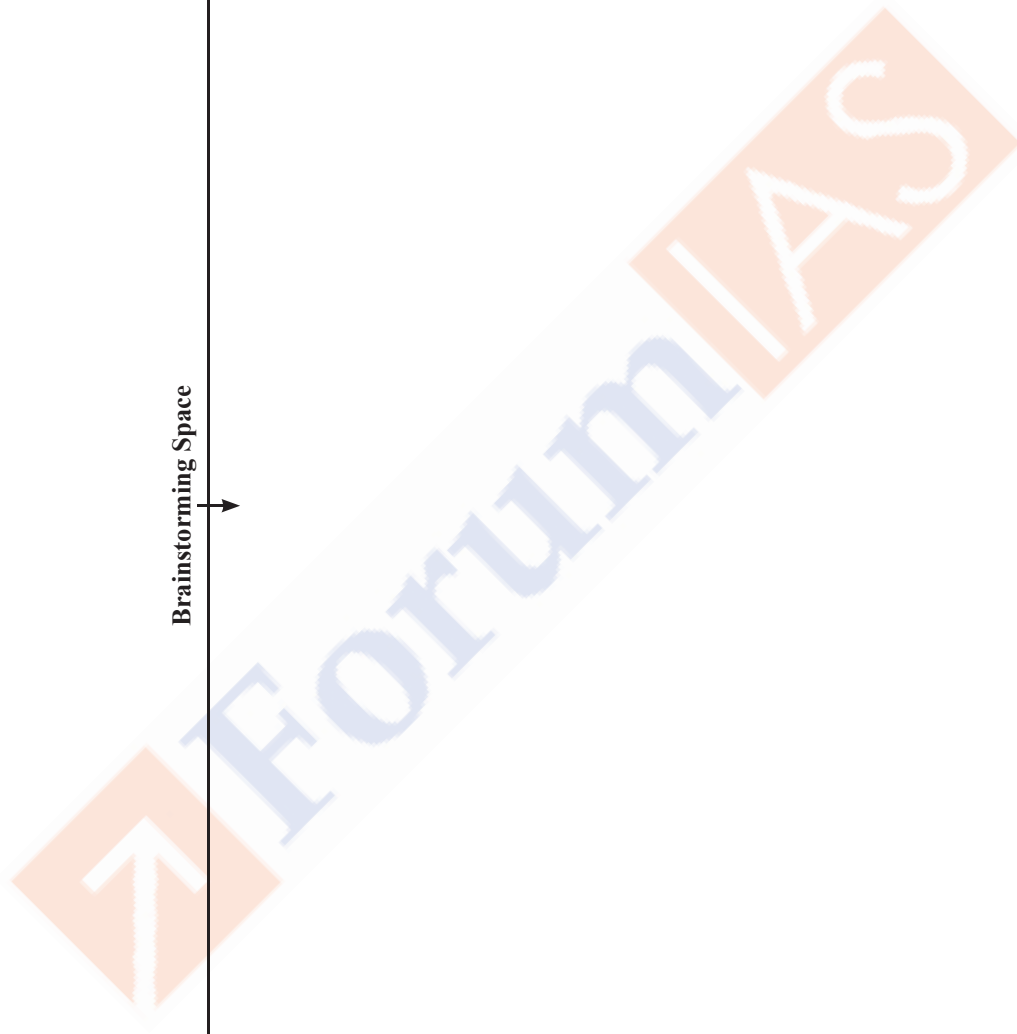
(15 Marks, 250 Words) [2025]

Brainstorming Space



**Q.150)** What is the concept of a 'demographic winter'? Is the world moving towards such a situation? Elaborate. (10 Marks, 150 Words) [2024]

Brainstorming Space



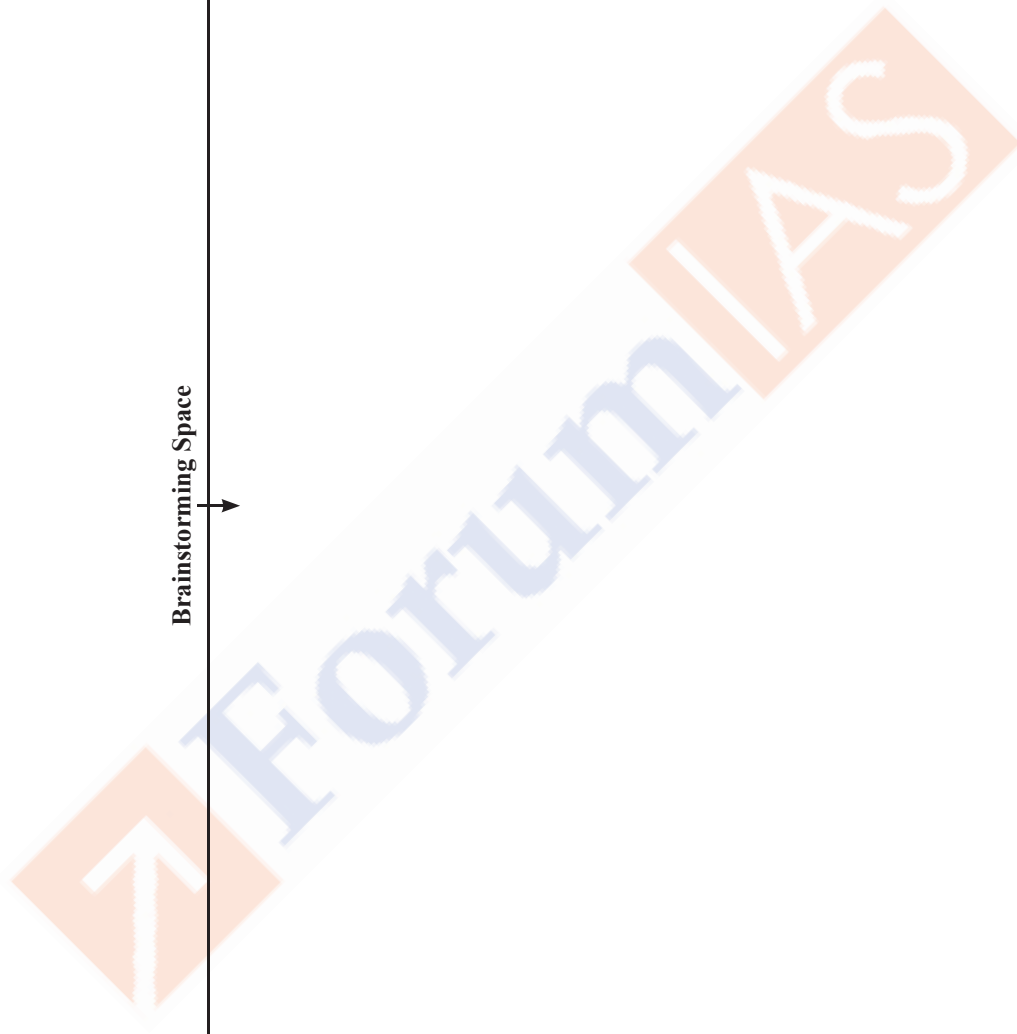
**Q.151)** Explain the factors affecting the distribution of population in India, bringing out the variation in density over space. Account for the varied environmental problems resulting from widespread deforestation in both Aravalli and Himalayan regions. (15 Marks, 250 Words) [1991]

Brainstorming Space

**Q.152)** Explain the factors affecting the distribution of population in India, bringing out the variation in density over space.

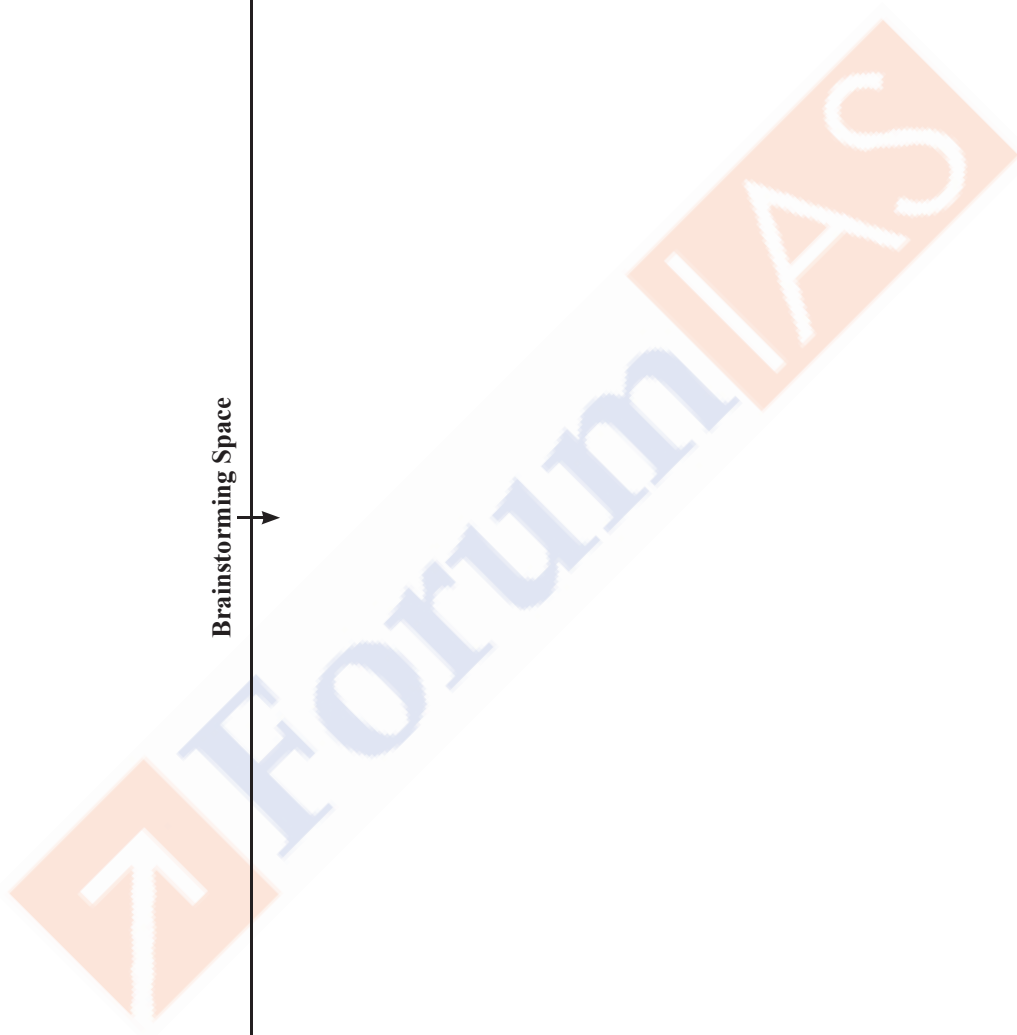
(10 Marks, 150 Words) [1991]

Brainstorming Space



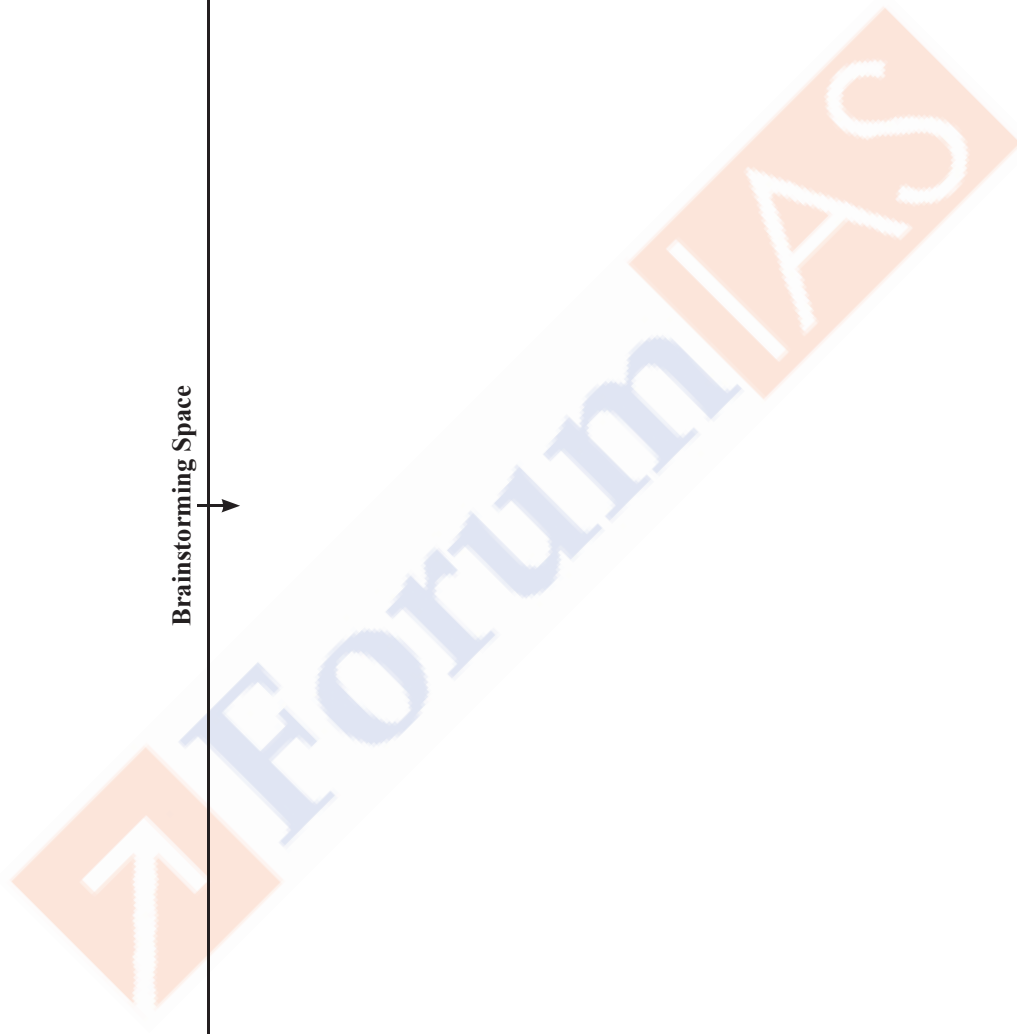
**Q.153)** Examine the potential of wind energy in India and explain the reasons for their limited spatial spread. (10 Marks, 150 Words) [2022]

Brainstorming Space



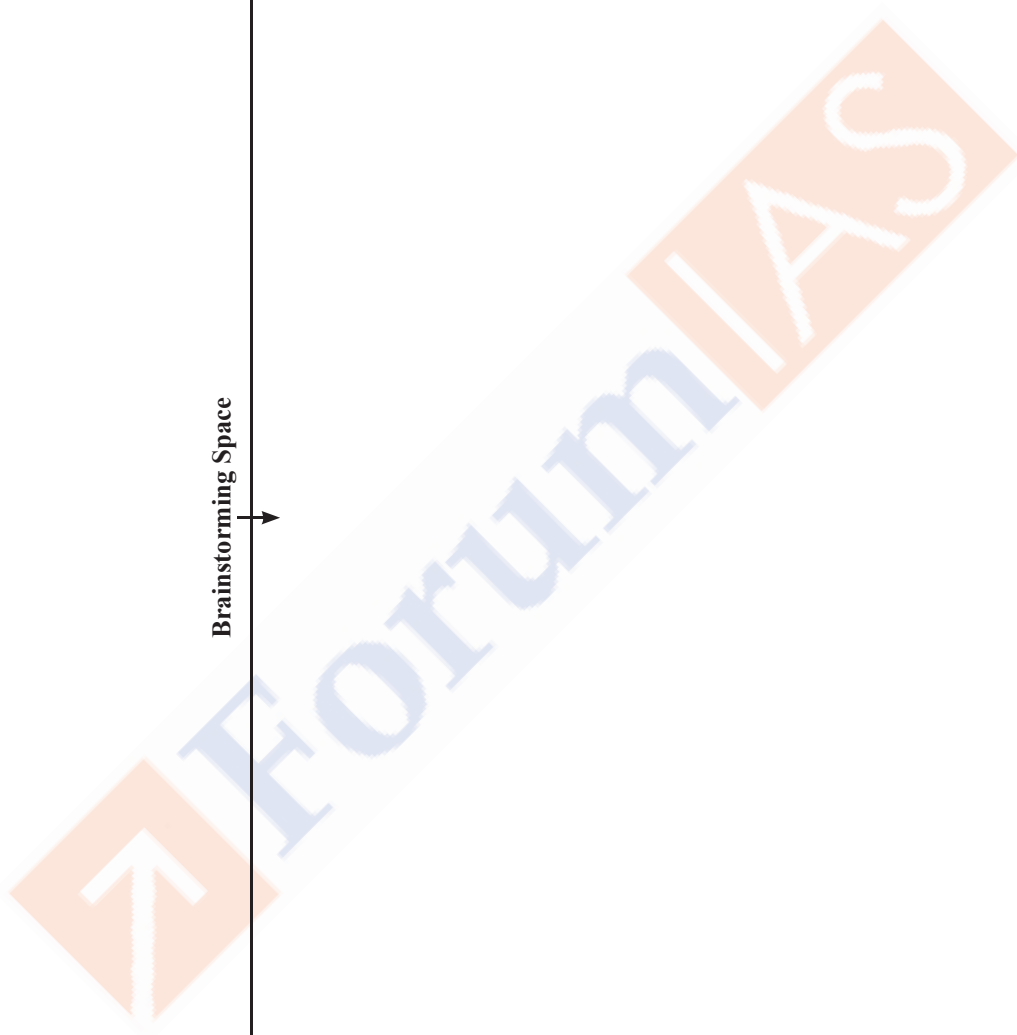
**Q.154)** Identify and discuss the factors responsible for diversity of natural vegetation in India. Assess the significance of wildlife sanctuaries in rain forests regions of India. (15 Marks, 250 Words) [2021]

Brainstorming Space



**Q.155)** Examine the status of forest resources of India and its resultant impact on climate change. (15 Marks, 250 Words) [2020]

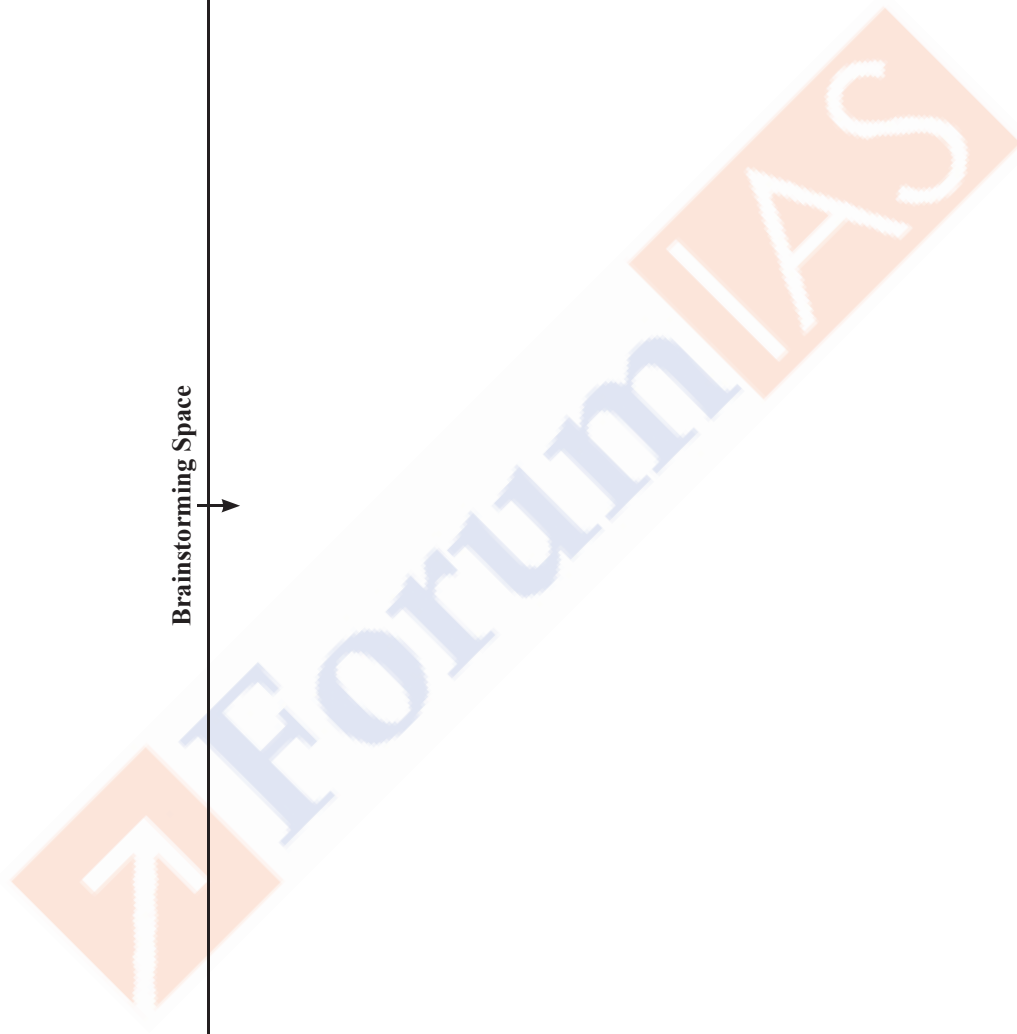
Brainstorming Space



**Q.156)** Discuss the causes of depletion of mangroves and explain their importance in maintaining coastal ecology.

(10 Marks, 150 Words) [2019]

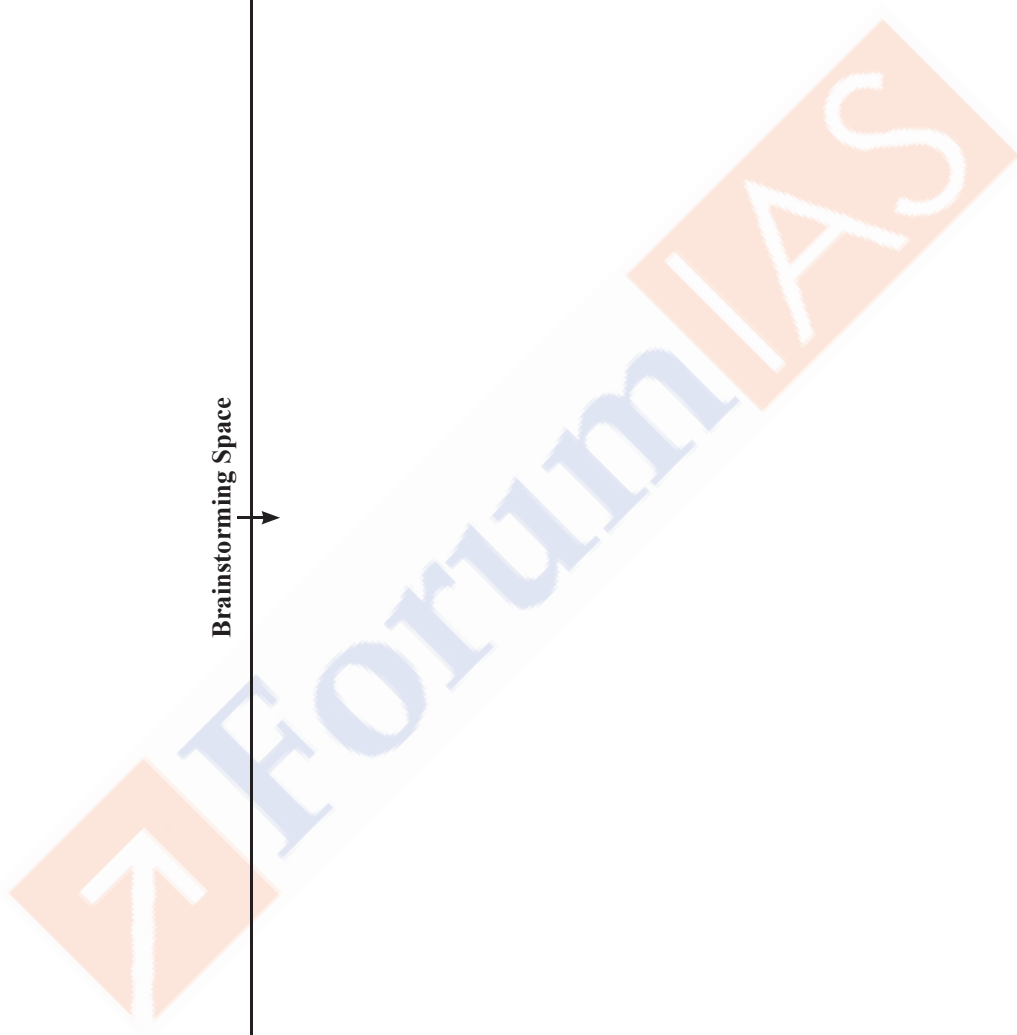
Brainstorming Space



Q.157) What is eco-tourism? How could it be promoted in India?

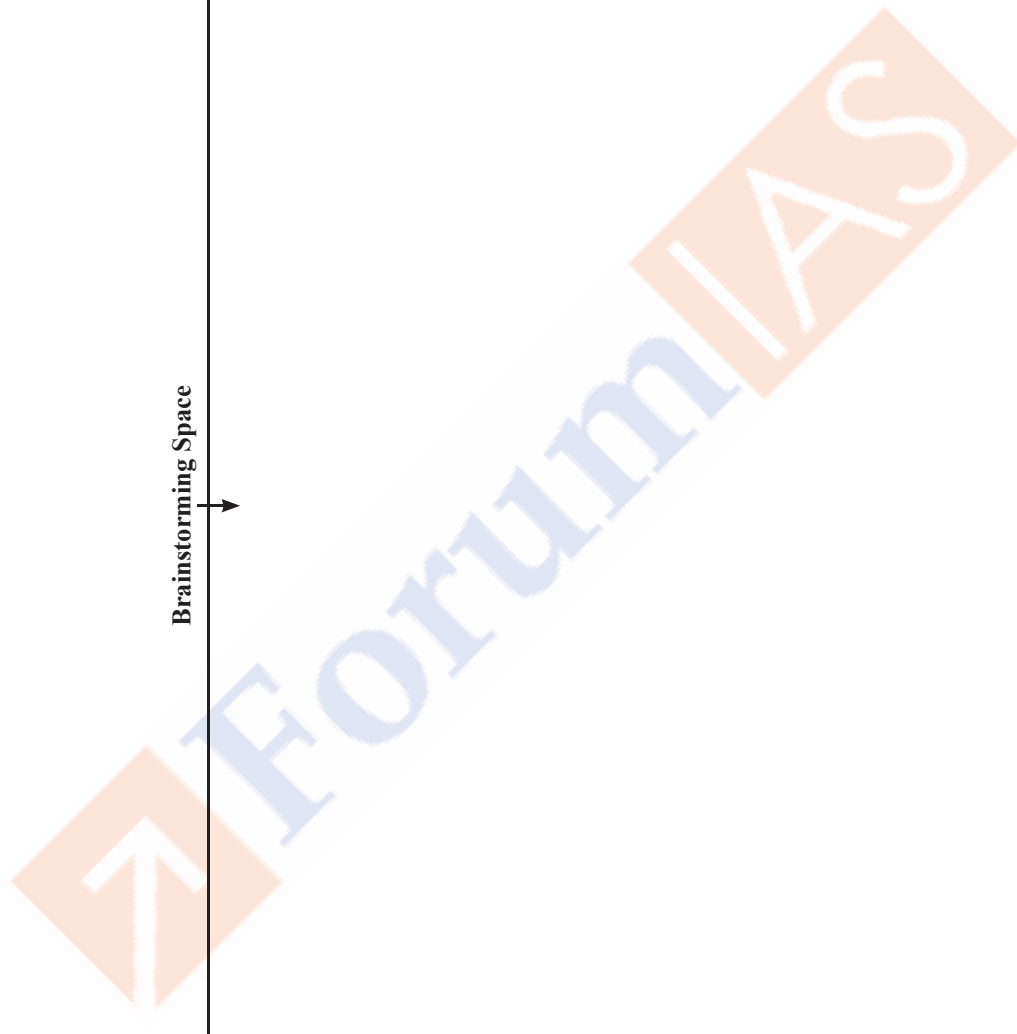
(10 Marks, 150 Words) [2005]

Brainstorming Space



**Q.158)** Where do mangrove forests occur in India? Describe their main characteristics. (10 Marks, 150 Words) [1996]

Brainstorming Space



**Q.159)** What policy has the Government of India adopted in recent years to protect our environment, control pollution and maintain ecological balance? State briefly. (10 Marks, 150 Words) [1995]

Brainstorming Space

