

# ForumIAS

ACADEMYS

## GENERAL STUDIES

Name Of Candidate	Raspreet Singh		
Email Id.		Roll No.	1910039790
Mobile No.		Date:	25-Nov-2018

Time Allowed: Three Hours

Maximum Marks: 250

### INDEX TABLE

Q. No.	Max. Marks	Marks Obtained
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
<b>Total Marks:</b>		

### INSTRUCTION

- Do furnish the appropriate details in the answer sheet (viz. Name, Email, Roll No, Mobile)
- There are TWENTY questions printed in ENGLISH.
- All questions are compulsory.
- The number of marks carried by a question/part is indicated against it.
- Answers must be written in the medium authorized in the admission Certificate, which must be stated clearly on the cover of this Question-Cum-Answer (QCA) Booklet in the space provided.
- Word limit in questions, if specified, should be adhered to.
- Any page or portion of the page left blank in the Question-Cum Answer Booklet must be clearly Struck off.

Remarks:

Start Time | 05:15 pm

End Time | 08:15 pm.

Mode Of Examination :

Online  Offline

ECN CODE:

Evaluation Date:

Parameters	Excellent	Very Good	Good	Average	Poor	Very Poor
Language						
Structure						
Presentation						
Innovation						
Handwriting						
Content						
Attempt						

ADDITIONAL COMMENTS

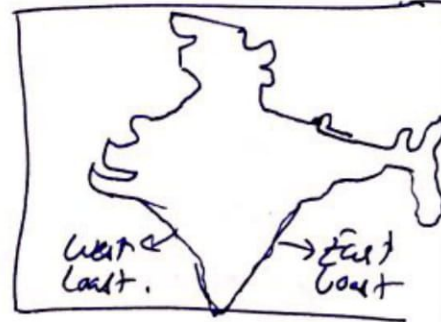
Q.1) What physiographic and climatic features differentiate the Western Coast from the Eastern Coast of India?

(10 Marks, 150 Words)

Western Coast and Eastern Coast together form 90% of the India's Coast line.

### Physiographic differences

- Eastern coast is wider than western coast as the major rivers flowing in Bay of Bengal form deltas.
- The rivers flowing in Arabian sea form estuaries. Thus western coast is not much wider.
- Western coast is good for ports development.
- Eastern coast has emergent coast and therefore forms good fishing grounds.
- Eastern coast is prone to ~~to~~ sediments of rivers.



Climatic differences

- Western Ghats are higher than eastern Ghats. Therefore, western coast receives more rainfall from monsoon.
- Eastern Ghats are very prone to cyclones that emerge during late summers in Bay of Bengal.
- Though both the coast form the part of same peninsula yet they have many physiographic & climatic differences.

Feedback( For OFFICE use only )

Structure	
Question Interpretation	
Content	
<b>Total</b>	

Q. 2) What factors have contributed to the development of IT industry in India? Account for the distribution of the industry in Southern states than in Northern India.

(10 Marks, 150 Words)

India is known as the world IT Hub. Today services sector contributes more than 50% of India's GDP.

### factors for the establishment of IT industry

- Workforce - The IT requires skilled labour with the technical know how about latest technologies.
- Investment - This industry also requires huge investments.
- Cheep wages - India's labour cost is lower than western countries.
- Can be established anywhere - The IT companies, call centre established in Bangalore are sending people in other nations.

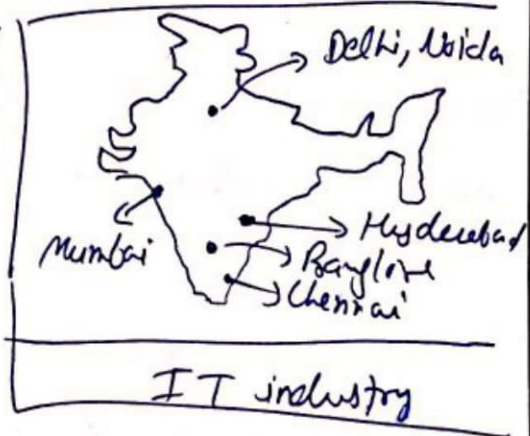
These factors were sufficiently supported in India. India has huge availability of skilled manpower. Students from NITs

A IITs are in huge demands in these Companies. Also, these people can be hired at lower wages.

India also offers huge customer base if company wants to ~~extend~~ target indigenous customers.

Distributed in Southern India

- More literacy in south.
- Capital base developed in Mumbai.
- Industrial belts.



Feedback ( For OFFICE use only )

Structure	
Question Interpretation	
Content	
Total	

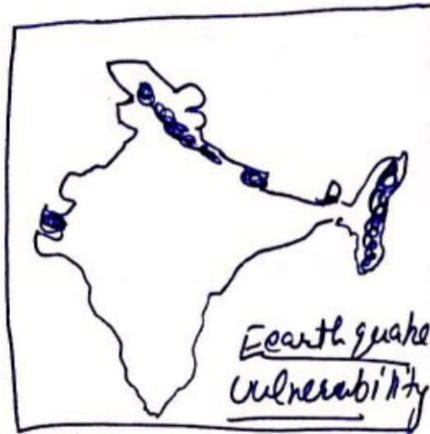
19069\_21067\_1910039790 (2018-11-25 21:37:19)  
 Q.3) Climate changes can aggravate the dangers of earthquakes in Himalayas. Comment.

(10 Marks, 150 Words)

India is highly vulnerable to earthquakes emerged in Himalayas. Himalayas is formed by the convergence of continental-continental crust. These plates are in continuous motion. Thus, making Himalayas vulnerable to earthquakes.

Climate Change aggravate the dangers

- Climate change can lead to temperature increase and melting of glaciers. The resulting imbalance may lead to weight imbalance & earthquakes.



- Soil erosion due to deforestation — Landslides may occur more frequently.
- Earthquake creates liquefaction of soil. With the climate change occurrence, soil is more vulnerable to liquefaction.

- Enroachment of river basins and mining activities make people working all living in the area more vulnerable to earthquakes.

Thus climate change is not an independent phenomenon, it will have impact on all major occurrences and increase the vulnerability of humans.

Feedback( For OFFICE use only )

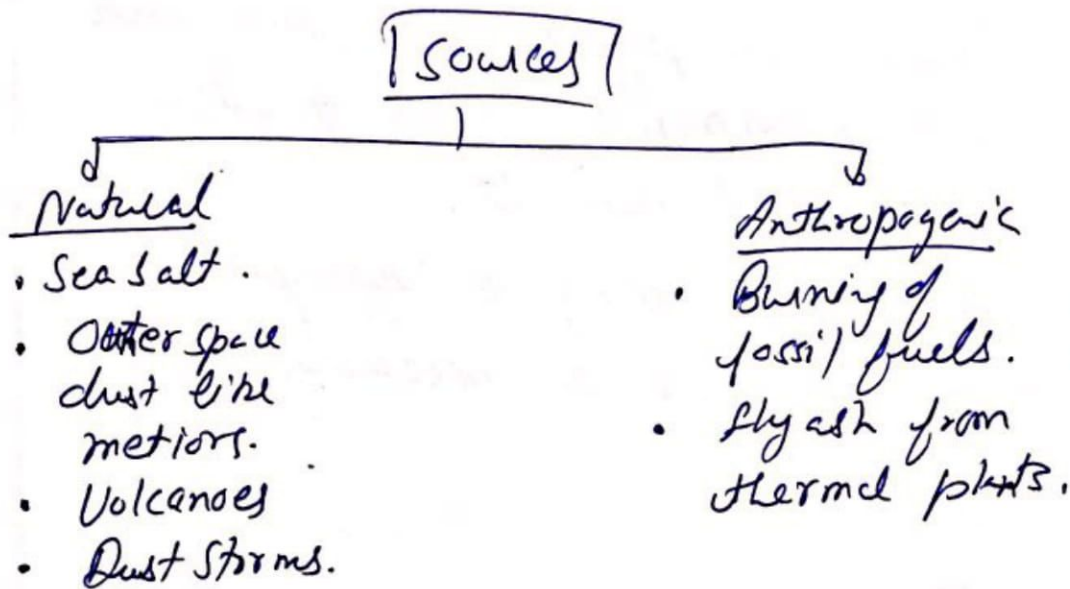
Structure	
Question Interpretation	
Content	
<b>Total</b>	



Q.4) What are aerosols? What are the sources of atmospheric aerosols? Discuss their impact on Indian Monsoon.

(10 Marks, 150 Words)

Aerosols are solid suspended particles in the atmosphere. They are produced by both natural activities (sea salt) and anthropogenic activities (flyash from thermal plants)



Impact on Indian Monsoon

- Recently it has been discovered that Indian monsoon may show year to year variability due to increasing concentration of atmospheric aerosols.

- Aerosols help in reflection of sunlight & therefore cooling down of oceans.
- On the other hand increasingly Green house gases (GHGs) are leading or causing the more temperature of oceans.
- These two phenomenon will work in opposition to determine the amount of rainfall.
- Also, there may be a spatial variation due to increasing aerosols.

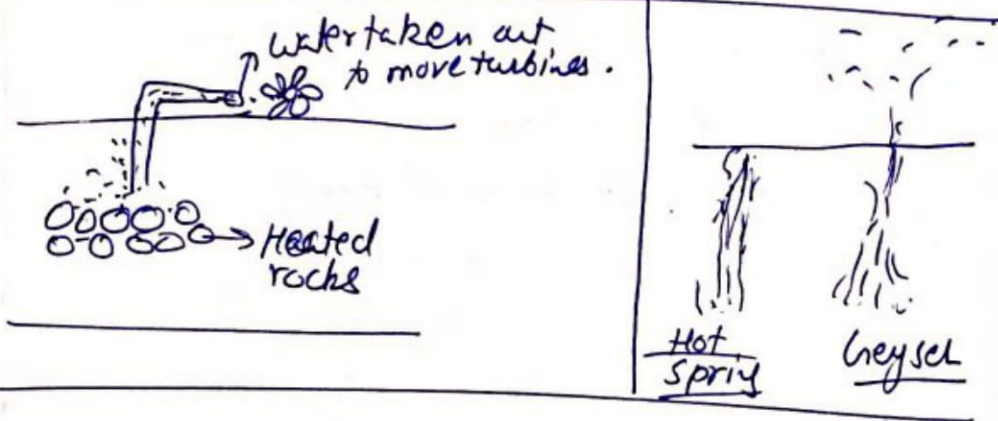
Feedback( For OFFICE use only )

Structure	
Question Interpretation	
Content	
<b>Total</b>	

Write  
in this Area

**Q.5)** India has not been able to exploit its potential in geothermal energy, even though it has good reserves. Discuss their availability and issues involved in exploitation.  
(10 Marks, 150 Words)

Geothermal energy is the energy obtained from the interior of earth. When the water inside the earth is heated by underlying rocks or magma, it can be utilized to move turbines.



India has good reserves of hot springs. These hot springs have a potential to increase the India's share of renewable energy. e.g. At

Issues in exploitation

- Difficult to find a good source of geothermal energy.

18069\_21067\_1910039790\_(2018-11-25 21:37:19)

- Drilling in hot bedrock and technology required is also a challenge.
- The huge investments required in the project.
- The fear of toxic gases escaping the earth while drilling.

Though India is facing some challenges yet it has huge potential to exploit the geothermal energy.

Feedback( For OFFICE use only )

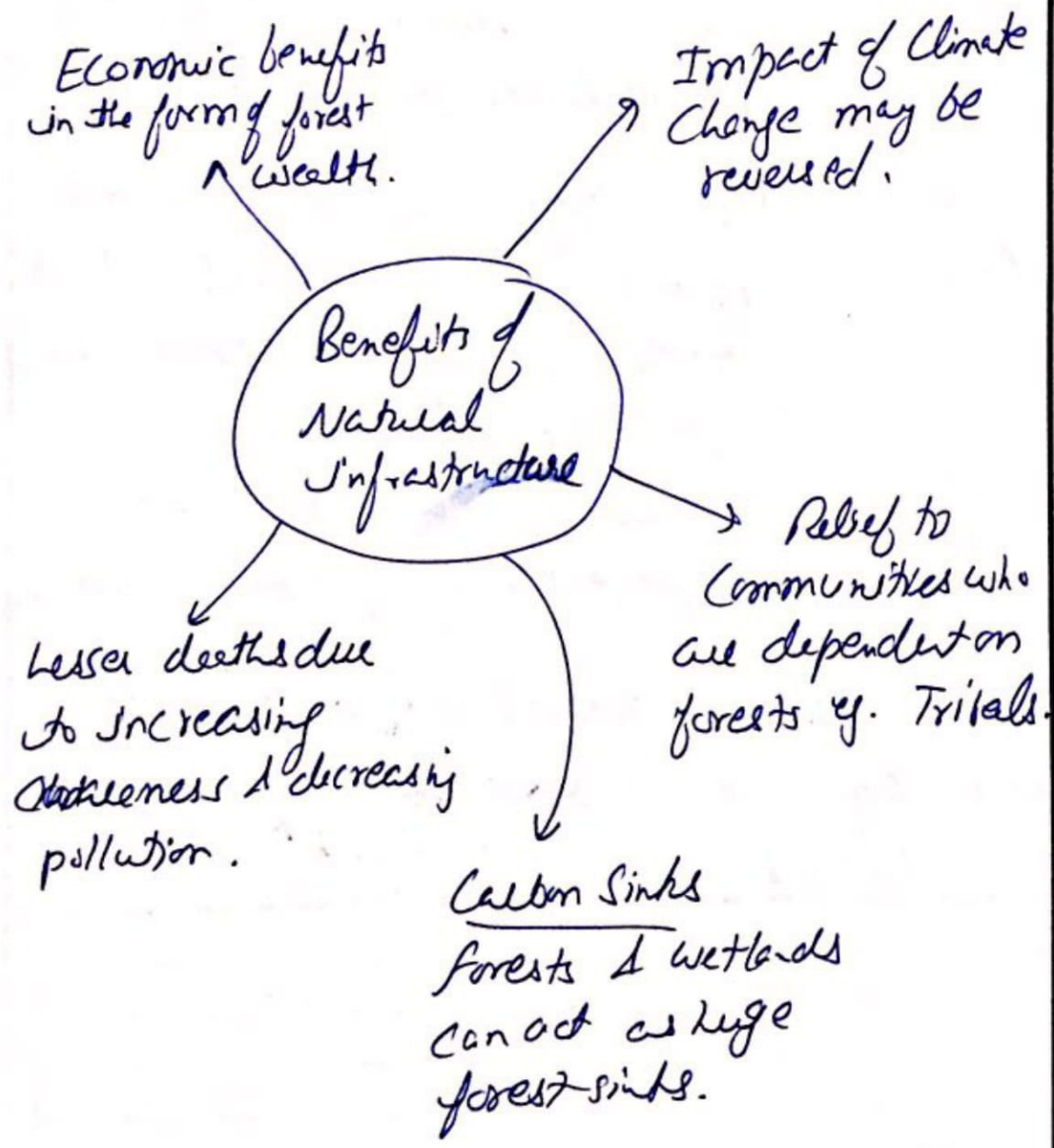
Structure	
Question Interpretation	
Content	
<b>Total</b>	

Call us: 011-49878625, 9821711605  
 Blog : [blog.forumias.com](http://blog.forumias.com)

Visit us : [www.forumias.com](http://www.forumias.com)  
 Email : [student@forumias.academy](mailto:student@forumias.academy)

**Q.6)** What do you understand by natural infrastructure? Bring out its benefits. Examine what role it can play in achieving targets of Sustainable Development Goals. (10 Marks, 150 Words)

Natural infrastructure means maintaining natural habitats such as forests or wetlands in such a way that they provide various useful ecosystem services.



## Role in achieving SDGs

- SDG 7 - Protecting forests can reduce our dependence on fuel wood, Promote renewable energies.  
(Clean Energy)
- SDG 13 → Climate change can be tackled as natural infrastructure can help in increasing carbon sink & reduce pollutants.  
(Climate Change)
- SDG 14 - Wildlife can be protected if we pay sufficient attention to their habitat. Do not encroach on their habitat.  
(Life on Land)
- SDG 15 - Marine ecosystem can also be protected by preserving wetlands.  
(Life in Sea)

Thus natural infrastructure can play key role in preservation of ecosystem & achievement of SDGs.

Feedback (For OFFICE use only)

Structure	
Question Interpretation	
Content	
<b>Total</b>	

Q.7) What are littoral and swamp forests and where are they found in India? Why they are important for ecological balance?

(10 Marks, 150 Words)

Littoral and Swamp forests are the wetlands which are covered with shallow waters. eg. mangrove forests.



### Importance of these forests

- Carbon Sinks - These forests can help in carbon sequestration.
- Ecological services - for example - absorption of pollutant particles, oxygen etc.

- Livelihood to millions of people living around these forests as they are dependent on these forests for fishing and other Minor forest produce.
- Save coastal populations from cyclones and floods. Eg. mangrove forests in West Bengal & Orissa.
- They also support huge diversity in the form of fishes and other animals. eg. Bengal tiger in Sunderbans.

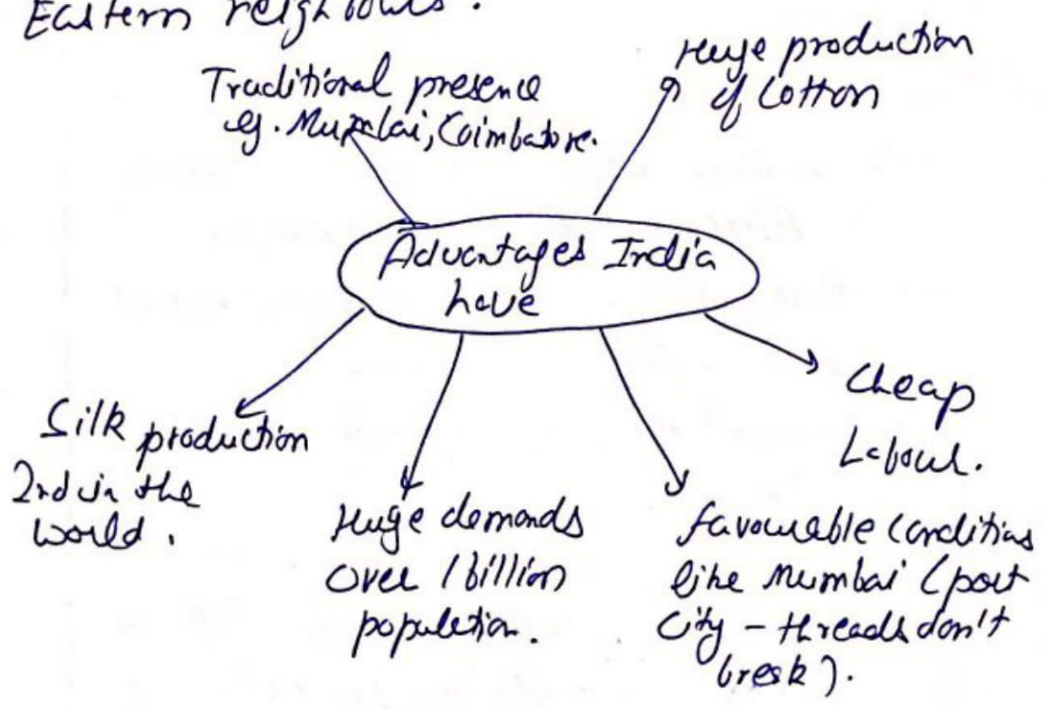
## Feedback( For OFFICE use only )

Structure	
Question Interpretation	
Content	
<b>Total</b>	



**Q.8)** Explain the factors responsible for the loss of textile manufacturing market to India's Eastern neighbors. Suggest measures to revive the textile sector in India.  
(10 Marks, 150 Words)

India enjoyed lot of advantages in textile industry and therefore textile industry was thriving few days back. But lately it has been captured by Eastern neighbors.



Factors for the loss of textile industry.

- India is developing and the wages are increasing. However, eastern countries are still in favourable labour conditions.
- Labour laws, environmental clearance

18069\_21067\_1910039790\_(2018-11-25 21:37:19)

and land acquisition problems faced by the industry.

- After Independence, India lost huge cotton growing areas to Pakistan.
- Favourable customs for eastern countries in European nations.

## Measures to deviate

- Labour law reforms (4 Labour Bills should be passed).
- Relaxation of environmental norms & land acquisition laws.
- Incentives in exports under MEIS.
- Promote Silk & Jute through innovative methods like Jute as an environmentally friendly crop.

### Feedback (For OFFICE use only)

Structure	
Question Interpretation	
Content	
<b>Total</b>	

Call us: 011-49878625, 9821711605  
 Blog : [blog.forumias.com](http://blog.forumias.com)

Visit us : [www.forumias.com](http://www.forumias.com)  
 Email : [student@forumias.academy](mailto:student@forumias.academy)

Don't Write anything in this Area

Q.9) "Oil Spills are a major ecological disaster". Examine. (10 Marks, 150 Words)

Oil spill means the leakage of petroleum into the water body especially marine water body.

### Oil spills as ecological disaster

- The fishes which come in direct contact with oil spills get harmed & choked to death.
- The Birds which are dependent on sea life also gets vulnerable.
- The marine organisms when eat fishes affected with oil spill also develop dangers to their lives.
- Corals are particularly vulnerable to oil spills eg. Great Barrier reef is shrinking.
- Corals could not get enough sunlight when layers of oil develop over the sea.

18069\_21067\_1910039790 (2018-11-25 21:37:19)

- The damage to corals further puts many species under vulnerability as corals support huge number of sea animals & fishes.

Hence oil spills are one of the greatest threat to the marine life. There should be proper regulation & accountability for oil spills.

Feedback( For OFFICE use only )

Structure	
Question Interpretation	
Content	
<b>Total</b>	

Call us: 011-49878625, 9821711605  
 Blog : [blog.forumias.com](http://blog.forumias.com)

Visit us : [www.forumias.com](http://www.forumias.com)  
 Email : [student@forumias.academy](mailto:student@forumias.academy)