

Geography – Part 35 to 37

35. Environmental Issues [9th Std]

1. Which are the two sides of coin of economy?
Development and environment
2. Which is essential for economic growth?
Development
3. How has man transformed environment?
By scientific and technological revolution
4. What is the surrounding in which living organism live and interact?
Environment
5. Where do human depends on basic needs?
Environment
6. What is the level of urbanization in Tamil Nadu?
44%
7. Which is the second urbanized state in the country?
Tamil Nadu
8. What are the major environmental issues?
Urbanization, deforestation, environmental pollution and global warming
9. What are the factors that influence urbanization?
Industrialization, dense network of transport and communication
10. Which board is incharge for slums in Tamil Nadu?
Tamil Nadu Slum Clearance Board
11. How many families are there in Coovum River?
8266 families
12. How many families are there in Buckingham canal?

18,423 families

13. How many families are there in Adyar river?

6624

14. What are the impact of urbanization?

- Large areas of agricultural and pastoral lands around the city are getting converted into residential and industrial area
- Increase in traffic and traffic congestion cause environmental pollution
- Clearance of trees and bushes to meet fuel and construction needs has reduced the green cover which in turn reduces the amount of rainfall
- Loss of habitats of animals and birds and depletion of greenery has made the urban air polluted with less oxygen content
- A rapid increase in the urban population has resulted in the breaking down of sanitary facilities.
- Land value increases and rent becomes high due to stiff competition for land.

15. How is weather altered in carbon dioxide?

An increase in carbon dioxide will increase the temperature of the earth and will therefore alter the weather.

16. What is deforestation?

Deforestation ruins the habitat of the animals and plants causing them to die.

17. What is bio diversity?

A variety of living organism including plants, animals and micro organism are collectively referred to bio diversity.

18. Who is blamed for the irrational activities that cause bio diversity losses?

Human beings

19. What is loss of bio diversity?

Extinction of plants and animals due to natural causes or human activities is called as loss of bio diversity.

20. How is paint brush made?

From wild boar and mongoose

21. What is global warming?

It is increase in the atmospheric temperature near the earth surface due to rise in carbon dioxide and the greenhouse effects.

22. What are the major threats to biodiversity in Tamil Nadu?

- Uncontrolled commercial exploitation of natural resources like forest, coastal areas, wetlands and habitat destruction
- Conversion of rich bio diversity sites for human settlements and industrial development

23. What are the main causes of global warming?

- Emission of greenhouse gases like carbon di-oxide, methane, nitrous oxide, methane, nitrous oxide and chloro fluoro carbon.
- Burning of fossil fuels and aggravated deforestation.

24. What are the controlling measures of global warming?

- Switching over from non-renewable energy sources to renewable energy
- Stopping the emission of greenhouse gases
- Afforestation and encouraging people to use public transport.

25. What is pollution?

Substances released into an environment that cause harm to living organisms and built up structures are called pollution.

26. What are the basis of sources of pollution?

Air pollution, water pollution and noise pollution.

27. What is air pollution?

When air is polluted by the harmful gases released from industries and vehicles.

28. What are the chief sources of air pollution?

Industrial wastes, automobiles, domestic waste, thermo-nuclear wastes and volcanic waste and finally forest fires.

29. How is water pollution caused?

Sewage and domestic wastes, pesticides and agricultural run offs, industrial wastes, nuclear wastes and oil spills.

30. What are the effects of air pollution?

Global warming, acid rain, ozone depletion, smog and health problems

31. What are the harmful effects of water pollution?

- It destroys microorganism in water and affects the aquatic life
- It causes water borne diseases such as cholera, jaundice, dysentery and typhoid
- Damages crops, decreases agricultural production due to deterioration of soil quality and fertility
- Oil spill results in death of sea organism

32. How is noyyil polluted?

The indiscriminate discharge of effluents from textile bleaching and dyeing units in and around Tirupur, Erode Karur has caused pollution in noyyil river.

33. What is TNPCB?

Tamil Nadu Pollution Control Board

34. What is land pollution?

Contamination of land by solid waste

35. What are the sources of land pollution?

Accumulation of solid waste from agriculture, industries and urban sources

36. What is noise pollution?

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Noise is defined as the unwanted and undesirable sound. Noise pollution is caused by ambient noises.

37. What is the national green corps measure?

It is mainly to strengthen environmental awareness among school children. This program was launched in 29 districts. And government of India provided Rs. 1000 to every school annually and nearly 3 lakh children participated in it.

38. When is world environmental day celebrated?

June 5

39. When is earth day celebrated?

April 22

40. When is ozone day celebrated?

September 16

41. Why are house sparrows destroyed?

Because of electromagnetic waves from mobile towers

42. Why is tiger population going down?

Poaching

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36. Conservation of Resources and Sustainable Development

1. Which provides variety of resources to the people?

Nature

2. Which has led to environmental degradation?

Humans in modern civilization with advanced development in science and technology, utilize these resources beyond permissible limits.

3. Which is valuable for mandatory of life?

Resources

4. What is conservation of resources?

It means judicious and planned use of natural resources so that the different resources are also left over to the benefit of the future generations.

5. Which is the most important land resource?

Soil

6. Which is issued for test of soil?

Soil health card

7. How many laboratories are there for soil testing?

16

8. What is measure for conservation of forest?

Afforestation

9. What is the measure for conservation of water?

Drip irrigation

10. What is the measure for conserving fur animals?

Seasonal shearing

11. What is the measure for preservation of forest?

Declaring an area as reserve forest

12. What is the measure for preservation of underground water?

Percolation of tank

13. What is the measure for preservation of animals?

Reproduction

14. What is the percentage of Tamil Nadu forest cover?

17%

15. Name some bird sanctuaries?

Publicat lake, vedanthangal, vellode, karaivetti, udhaya marthanda puram, vaduvur, chitrangudi

16. Name some commonly found animals in Tamil Nadu?

Tiger, elephant, nilgiri tahr, squirrel, dugong, sea, turtle, dolphin, chital, black buck, grizzled gaint squirrel, flying squirrel, tree shrew, panther, sloth near, wild boar, dhole, languor, lion tailed macaque.

17. Where did Appiko movement started?

Andhra Pradesh

18. What is the aim of Appiko movement?

The main aim of this movement was to save remains of tropical wet evergreen forests in the western ghats

19. What is the slogan of the Appiko movement?

To save, to grow, and to use rationally

20. What is MAB?

Man and Biosphere Programme, 1977

21. What was the aim of MAB programme?

To promote an interdisciplinary approach in research, training and communications in the eco system conservation and rational use of natural resources.

22. What was the result of MAB programme?

553 biosphere reserves in 107 countries

23. What is biosphere reserves?

They are a series of protected areas linked through a global network, intended to demonstrate the relationship between conservation and development.

24. What is MPCA?

It is Medical Plants conservation Areas

25. How many MPCA is there in Tamil Nadu?

11

26. What is MPDA?

Medical Plants Development Area

27. How many MPDA`s are there in Tamil Nadu?

8

28. What is wetland?

Areas of marshy land not exceeding 6m depth with or without permanent water is classified as wetlands.

29. Which plays good role in ground water recharge?

Wetland

30. Which is comprehensive method to conserve water?

Watershed Management

31. Which is to be exhausted in future?

Energy produced by conventional resources is definite to be exhausted in future.

32. How many bio gas plants there in Tamil Nadu?

1285 in the year 2008

33. Which has established Karanja based bio diesel esterification plants?

The state Forest Department, Government of Tamil Nadu

34. Which is used in production of bio fuel?

Seeds of Jatropha

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37. Environmental Issues [10th Std]

1. Which is the word used to describe natural environment?

Environment

2. What is natural environment?

It means the sum of all living and non-living things that surrounds us

3. What are the various types of pollution?

Air pollution, water pollution, land pollution, noise pollution, pollution due to bio medical waste, pollution due to e-waste and pollution due to mining.

4. What is environmental pollution?

It is the contamination of environment which causes discomfort, instability disorder harmful impact on physical system, and on living organism.

5. What are the sources of pollutants?

Both natural and man-made

6. What are the man-made reasons for air pollution?

Vehicular emission, thermal power plants. Industries and refineries

7. Which vehicles is eco-friendly?

Bharath II and Bharath III

8. What are the emission standards that focus on regulating pollutants?

Bharat Stage I-IV

9. From where for sulphur dioxide emerges?

From power plant that use coal as their fuel.

10. Which produce half of nitrogen oxide?

Automobiles

11. What is ozone?

The atmosphere contains a thin layer called as ozone.

12. What is the function of ozone layer?

It protects life from harmful ultraviolet rays of the sun

13. Name some major air pollutants?

Sulphur oxide, nitrogen oxide, carbon mono oxide and organic compounds that can evaporate and enter the atmosphere.

14. What is the rank of India in emission of carbon in the world?

5th Rank

15. Which is the world's largest industrial disaster?

Bhopal gas tragedy

16. What was the result of Bhopal gas tragedy?

It killed almost 8000 people in December 1984

17. What is the relationship between ozone and UV radiation?

Each one percent loss of ozone is to cause an increase of about 2% in UV radiation

18. What is global warming?

It is caused by the increase of green house gases such as carbon-di-oxide, methane, water vapor, CFCs which are responsible for the heat retention ability of the atmosphere.

19. How do rise in global temperature effects?

Result in melting polar ice caps and glaciers

20. Which affects agricultural patterns?

Global temperature

21. When was acid rain discovered?

1852

22. What are the gases that causes acid rain?

Sulphur-di-oxide and nitrogen oxides

23. Which are natural causes for increase in nitrogen oxide in air?

Fire and bacterial decomposition

24. What is acid rain?

The pollutants combine with water vapour in the presence of sun light and oxygen and form dilute sulphuric and nitric acids. When these mixture precipitates from the atmosphere it is called as acid rain

25. Which has killed more than 70% of corals in Lakshadweep and Andaman islands?

70%

26. What is smog?

It is a combination of the words smoke and fog. It causes a smoky dark atmosphere.

27. What is water pollution?

It is any chemical, physical or biological changes in the quality of water that is harmful on living thing that drinks or uses or lives in it.

28. What are diseases causing agents?

Bacteria, viruses, protozoa and parasitic worms that enter sewage system and untreated waste

29. What are the major producers of smog?

It is caused by automobiles, fires, waste treatment, oil production, industrial solutions, paints and coatings.

30. What is oxygen demanding bacteria?

These are wastes that can be decomposed by oxygen requiring bacteria. Large proportion of such bacteria in water can deplete oxygen levels in it.

31. What is third class of water pollutants?

It is water soluble inorganic pollutants.

32. What are organic compounds?

Water can be polluted by a number of organic compounds such as oil, plastics and pesticides in the water which are harmful to humans and animals

33. What is NCEF?

National Clean Energy Fund

34. What is land pollution?

It is contaminating the land surface of the earth through dumping of urban waste matter and it arises from the breakage of underground storage tanks, application of pesticides and percolation of contaminated surface water, oil and fuel dumping, leaching of wastes from landfills or direct discharge of industrial waste to the soil.

35. What is eutrophication?

It is the eco system response to the addition of artificial or natural substances mainly phosphates, through detergents, fertilizers or sewage to an aquatic body of water. E-waste generated out.

36. What is the result of unwanted sounds?

It affects a person both physiologically and psychologically.

37. Which is the major contributor to environmental pollution?

Mining

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