

[Time: 2.30 Hours]

[Marks:75]

- N.B: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q1) a. Fill in the blanks (Attempt any 8) (8)

1. Study on _____ helps to keep track of weather conditions and accordingly device transportation activities.
2. _____ consist primarily of water droplets and ice, and are formed when water vapour released from burning jet fuel condenses at higher altitudes.
3. _____ is the branch of engineering dealing with sound and vibration.
4. _____ is essential to create and maintain sufficient water depth for shipping operations and port accessibility.
5. _____ are fuels formed by natural processes such as anaerobic decomposition of buried dead organisms.
6. _____ is the harvest, transportation, purchase or sale of timber in violation of laws.
7. _____ aims to embrace responsibility for corporate actions and to encourage a positive impact on the environment
8. _____ was the first agreement between nations to mandate country-by-country reductions in greenhouse-gas emissions.
9. _____ can act as barriers to animal movement through mortality during crossing attempts or behavioural avoidance.
10. The _____ creates regulations for aviation safety, security, efficiency and regularity and environmental protection.

B) State whether following statements are true or false. (Attempt any 7) (7)

1. Wildlife smuggling may cause introduction of invasive and harmful species into an ecosystem, which can endanger indigenous wildlife.
2. The International Earth Summit is also known as Rio de Janeiro Earth Summit.
3. The standard pH of fresh water ranges between 7.5 to 8.5.
4. Carbon Dioxide is colourless has strong odour and consists of 0.04% of the atmosphere.
5. The Air Beam is a new device that empowers citizens to keep tabs on air pollution in their own neighborhoods.
6. Acid rain changes the chemistry of the water in lakes and streams, harming fish and other aquatic life.
7. Green belt is a policy and land use designation used in land use planning to retain areas of largely undeveloped, wild, or agricultural land surrounding or neighboring urban areas.
8. The 33rd ICAO Assembly adopted Resolution A33/7 introducing the concept of a 'balanced approach' to noise management, thereby establishing a policy approach to address aircraft noise.
9. Inland Waterways Authority of India (IWAI) was constituted in October, 1986 by an Act of Parliament for development and regulation of inland waterways.
10. Pollution Control Boards (PCBs) have been set up by Government to measure pollution levels in the atmosphere and at certain sources by testing the air

Q2)

A) What is Environmental Degradation? Explain its types in detail and its effects. (15)

OR

B) What is Green logistics? Discuss means to achieve green logistics. (8)

C) Discuss the key benefits of using bio fuels over fossil fuels. (7)

Q3)

A) Elaborate the role of government in terms of providing incentives or schemes for reducing the harmful effects of transportation on environment. (15)

OR

B) State and explain transportation oriented sustainable measures to reduce & mitigate emissions of Green House gases. (8)

C) Write is Green House Effect? Discuss the causes of Green house effect. (7)

Q4)

A) How do Wildlife crossing structures facilitate movement of wildlife? (8)

B) Explain the environmental impact of aviation. (7)

OR

C) Discuss the environmental impact of sea going ships. (8)

D) Explain various environment friendly measures introduced by Indian railways. (7)

Q5)

A) State and explain various strategies to minimize environmental impacts of transportation. (15)

OR

B) Write short notes on following. (Attempt any 3) (15)

1. India's Environmental Performance Index
2. Noise Abatement Procedures
3. Illegal logging
4. Green Construction
5. Key benefits of greenbelt
