

UNIT 4

4.2 WRITING

ANALYTICAL ESSAYS AND ISSUED BASED ESSAYS

1) Write an essay on environmental pollution:

Environmental pollution occurs when pollutants contaminate the natural surroundings. Pollution disturbs the balance of our ecosystems, affect our normal lifestyles and gives rise to human illnesses and global warming. Pollution has reached its peak due to the development and modernization in our lives. With the development of science and technology, there has been a huge waste the bounties of our nature without a thought that our actions cause serious problems.

We must deepen our knowledge of nature`s laws and broaden our understanding of the laws of the human behavior in order to deal with pollution problems. So, it is very important to know different types of pollutions, their effects and causes on humanity and the environment we live in.

Types, causes, and effects of pollution

Air pollution is one of the most dangerous forms of pollution. A biological, chemical, and physical alteration of the air occurs when smoke, dust, and any harmful gases enter into the atmosphere and make it difficult for all living beings to survive as the air becomes contaminated.

Burning of fossil fuels, agriculture related activities, mining operations, exhaust from industries and factories, and household cleaning products entail air pollution.

People release a huge amount of chemical substances in the air every day. The effects of air pollution are alarming. It causes global warming, acid rains, respiratory and heart problems, and eutrophication. A lot of wildlife species are forced to change their habitat in order to survive.

Soil pollution occurs when the presence of pollutants, contaminants, and toxic chemicals in the soil is in high concentration that has negative effect on wildlife, plants, humans, and ground water. Industrial activity, waste disposal, agricultural activities, acid rain, and accidental oil spill are the main causes of soil pollution. This type of contamination influence health of humans, affects the growth of plants, decreases soil fertility, and changes the soil structure.

Water pollution is able to lead our world on a path of destruction. Water is one of the greatest natural resources of the whole humanity. Nothing will be able to live without water. However, we do not appreciate this gift of nature and pollute it without thinking. The key causes of the water pollution are: industrial waste, mining activities, sewage and waste water, accidental oil leakage, marine dumping, chemical pesticides and fertilizers, burning of fossil fuels, animal waste, urban development, global warming, radioactive waste, and leakage from sewer lines.

There is less water available for drinking, cooking, irrigating crops, and washing.

Light pollution

Light pollution occurs because of the prominent excess illumination in some areas. Artificial lights disrupt the world`s ecosystems. They have deadly effects on many creatures

including mammals, plants, amphibians, insects, and birds. Every year many bird species die colliding with needlessly illuminated buildings.

Moreover, artificial lights can lead baby sea turtles to their demise.

Noise pollution takes place when noise and unpleasant sounds cause temporary disruption in the natural balance. It is usually caused by industrialization, social events, poor urban planning, household chores, transportation, and construction activities. Noise pollution leads to hearing problems, health issues, cardiovascular issues, sleeping disorders, and trouble communicating. Moreover, it affects wildlife a lot. Some animals may suffer from hearing loss while others become inefficient at hunting. It is very important to understand noise pollution in order to lower its impact on the environment.

Radioactive pollution is the presence of radioactive substances in the environment. It is highly dangerous when it occurs. Radioactive contamination can be caused by breaches at nuclear power plants or improper transport of radioactive chemicals. Radioactive material should be handled with great care as radiation destroys cells in living organisms that can result in illness or even death.

Solutions to pollution problems

Environmental pollution has negatively affected the life of both animals and human-beings. The only way to control current environmental issues is to implement conservation methods and create sustainable development strategies. We should find some effective solutions in order to restore our ecological balance.

First of all, we should make sustainable transportation choices. We should take advantage of public transportation, walk or ride bikes whenever possible, consolidate our trips, and consider purchasing an electric car. It is very important to make sustainable food

choices. Choose local food whenever possible; buy organically grown vegetables and fruits or grow your own.

People should conserve energy. Turn off electronics and lights when you are not in the room. Consider what small changes can lead to big energy savings. Use energy efficient devices. It is also essential to understand the concept of reduce, Reuse and Recycle. Try to buy used items whenever possible. Choose products with minimal packaging. Buy reusable items. Remember that almost everything that you purchase can be recycled. Conserve water as much as possible. Dispose of toxic waste properly. Do not use herbicides and pesticides. Use natural, environmentally friendly chemicals for your everyday chores.

Conclusion

Environmental pollution is one of the biggest problems caused by human activities that we should overcome to see a tomorrow and guarantee our descendants a healthy life. There are many environmental concerns for communities around the world to address. We should always remember that pollution problems affect us all so each of us has to do his or her best to help restore ecological balance to this beautiful place we call home. Learn about the major polluters in your area to protect the air and water where you live. Encourage people to stop pollution, tell them everything you know about this problem, and protest local polluters together. The masses should be educated on the danger of different types of pollution. People should know everything about all consequences of the environmental pollution in order to prevent the worst from happening. Let's protect the water we drink, the air we breathe, and the soil we use to grow our food.

2) Write an essay on computer and its ill effects:

Although computers can be used as a tool to spread awareness about problems in the environment, they cause a lot of environmental problems themselves. Pollution caused by the production of computer hardware, as well as from the cleaning agents used to clean computers, is a great hazard to the environment and the people that live in it. People leave their computers on nonstop resulting in a lot of energy consumption and enormous amounts of paper are being used daily to print out electronically stored data. It causes health problems as well as economic problems and is in urgent need of treatment. Use computer only when needed. If we all shut down our computers at night the energy savings could light the Eiffel Tower 24 hours a day for 720 years. The increased use of computers in the workplace has brought about the development of a number of health concerns. Many individuals who work at a computer report a high level of job-related complaints and symptoms, including ocular discomfort, muscular strain and stress. The level of discomfort appears to increase with the amount of computer use.

Vision Problems

Computer use can result in vision problems called Computer Vision Syndrome (CVS). Glare on the computer screen, the reduced level of contrast of text to the background, and letters not being as sharp, or clear as on print create problems. This can put more stress on your eyes. Symptoms of CVS include eye strain, blurred vision, headaches and dry eyes. These symptoms are only temporary and begin to lessen when you're not using the computer. Physical Health Issues

□ People who have used the computers for an extensive period of time may complain about headaches, and pains in their wrists, arms and necks. These pains are often the result of a fixed posture when using the computer keyboard for a long amount of time. This can also cause muscle pain due to fatigue. Use good posture and take breaks when typing on the computer.

Exposure to Radiation

□ Many computers have CRT, or Cathode Ray Tube, monitors that give off X ray radiation that can affect your health. Being exposed to computer radiation can cause cancer, tumors, miscarriage and birth defects, headaches and insomnia. The FDA requires that a computer and TV monitors meet a radiation limit. However, they still give off a small amount of radiation. You can avoid exposing yourself to this radiation by limiting your time using the computer or by increasing your distance from the computer.

3) Write an essay on the causes of road accidents

Road accident is most unwanted thing to happen to a road user, though they happen quite often. The most unfortunate thing is that we don't learn from our mistakes on road. Most of the road users are quite well aware of the general rules and safety measures while using roads but it is only the laxity on part of road users, which cause accidents and crashes. Main cause of accidents and crashes are due to human errors. We are elaborating some of the common behaviour of humans which results in accident.

1. Over Speeding

2. Drunken Driving

3. Distractions to Driver

4. Red Light Jumping

5. Avoiding Safety Gears like Seat belts and Helmets

6. Non-adherence to lane driving and overtaking in a wrong manner

Various national and international researchers have found these as most common behavior of Road drivers, which leads to accidents.

Over Speeding:

Most of the fatal accidents occur due to over speeding. It is a natural psyche of humans to excel. If given a chance man is sure to achieve infinity in speed. But when we are sharing the road with other users, we will always remain behind some or other vehicle. Increase in speed multiplies the risk of accident and severity of injury during accident. Faster vehicles are more prone to accident than the slower one and the severity of accident will also be more in case of faster the severity of accident will also be more in case of faster vehicles. Higher the speed, greater the risk. At high speed the vehicle needs greater distance to stop i.e. braking distance. A slower vehicle comes to halt immediately while faster one takes long way to stop and also skids a long distance due to law of motion. A vehicle moving on high speed will have greater impact during the crash and hence will cause more injuries. The ability to judge the forthcoming events also gets reduced while driving at faster speed which causes error in judgment and finally a crash.

Drunken Driving:

Consumption of alcohol to celebrate any occasion is common. But when mixed with driving it turns celebration into a misfortune. Alcohol reduces concentration. It decreases reaction time of a human body. Limbs take more to react to the instructions of brain. It hampers vision due to dizziness. Alcohol dampens fear and incite humans to take risks. All these factors while driving cause accidents and many a times it proves fatal. For every increase of 0.05 blood alcohol concentration, the risk of accident doubles. Apart from

alcohol many drugs, medicines also affect the skills and concentration necessary for driving. First of all, we recommend not to consume alcohol. But if you feel your merrymaking is not complete without booze, do not drive under the influence of alcohol. Ask a teetotaler friend to drop you home.

Distraction to Driver:

Though distraction while driving could be minor but it can cause major accidents. Distractions could be outside or inside the vehicle. The major distraction now a days is talking on mobile phone while driving. Act of talking on phone occupies major portion of brain and the smaller part handles the driving skills. This division of brain hampers reaction time and ability of judgment. This becomes one of the reasons of crashes. One should not attend to telephone calls while driving. If the call is urgent one should pull out beside the road and attend the call. Some of the distractions on road are:

1. Adjusting mirrors while driving
2. Stereo/Radio in vehicle
3. Animals on the road
4. Banners and billboards.

The driver should not be distracted due to these things and reduce speed to remain safe during diversions and other kind of outside distractions.

Red Light jumping:

It is a common sight at road intersections that vehicles cross without caring for the light. The main motive behind Red light jumping is saving time. The common conception is that stopping at red signal is wastage of time and fuel. Studies have shown that traffic signals followed properly by all drivers saves time and commuters reach destination safely and timely. A red light jumper not only jeopardizes his life but also the safety of other road users. This act by one driver incites other driver to attempt it and finally causes chaos at crossing. This chaos at intersection is the main cause of traffic jams. Eventually everybody gets late to their destinations. It has also been seen that the red light jumper crosses the intersection with greater speed to avoid crash and challan but it hampers his ability to judge the ongoing traffic and quite often crashes.

Avoiding Safety Gears like seat belts and helmets:

Use of seat belt in four-wheeler is now mandatory and not wearing seat belt invites penalty, same in the case of helmets for two wheeler drivers. Wearing seat belts and helmet has been brought under law after proven studies that these two things reduce the severity of injury during accidents. Wearing seat belts and helmets doubles the chances of survival in a serious accident. Safety Gears keep you intact and safe in case of accidents. Two wheeler deaths have been drastically reduced after use of helmet has been made mandatory. One should use safety gears of prescribed standard and tie them properly for optimum safety.

Detrimental effects of traffic on environment

1. Safety
2. Noise
3. Land Consumption

4. Air Pollution

5. Degrading the Aesthetics

How different factors of Roads contribute in Accidents:

Drivers: Over-speeding, rash driving, violation of rules, failure to understand signs, fatigue, alcohol.

Pedestrian: Carelessness, illiteracy, crossing at wrong places moving on carriageway, Jaywalkers.

Passengers: Projecting their body outside vehicle, by talking to drivers, alighting and boarding vehicle from wrong side travelling on footboards, catching a running bus etc.

Vehicles: Failure of brakes or steering, tyre burst, insufficient headlights, overloading, projecting loads.

Road Conditions: Potholes, damaged road, eroded road merging of rural roads with highways, diversions, illegal, speed breakers.

Weather conditions: Fog, snow, heavy rainfall, wind storms, hail storms.
Preventive measures for accidents:

1. Education and awareness about road safety

2. Strict Enforcement of Law

3. Engineering:

(a) Vehicle design

(b) Road infrastructure

