

Which among the following is likely to have the highest levels of D.D.T. depositions in its body?

- (a) Sea gull
- (b) Phytoplankton
- (c) Eel
- (d) Crab (1994)

The UN Conference of Parties on climate change in the year 2012 was held at

- (a) Lima
- (b) Warsaw
- (c) Durban
- (d) Doha. (2015)

The true statement about 'greenhouse effect' is that it is

- (a) caused by combination of many gases
- (b) caused only by CO₂
- (c) caused by CO₂, CFC, CH₄ and NO₂ gases
- (d) none of these. (1996)

Kyoto protocol was endorsed at

- (a) CoP - 6
- (b) CoP - 4
- (c) CoP - 3
- (d) CoP - 5. (NEET 2013)

In coming years, skin related disorders will be more common due to

- (a) water pollution
- (b) depletion of ozone layer
- (c) pollutants in air
- (d) use of detergents. (1997)

Which one of the following is a wrong statement?

- (a) Most of the forests have been lost in tropical areas.
- (b) Ozone in upper part of atmosphere is harmful to animals.
- (c) Greenhouse effect is a natural phenomenon.
- (d) Eutrophication is a natural phenomenon in freshwater bodies. (2012)

Soil conservation is

- (a) conversion of sterile soil into fertile one
- (b) aeration of soil
- (c) erosion of soil
- (d) protection against loss. (1989)

Polluted waters do not contain

- (a) Stone fly Larvae
- (b) Sewage fungus

- (c) Water Hyacinth (d) cyanobacteria

Melanin protects us from

- (a) X-rays (b) Infra red rays
(c) Visible rays (d) UV rays

Identify the correctly matched pair

- (a) Basel convention - Biodiversity conservation
(b) Kyoto protocol - Climate change
(c) Montreal protocol - Global warming
(d) Ramsar convention - Ground water pollution

Which is not a bioindicator of water pollution

- (a) Blood worms (b) Stone flies
(c) Sewage fungus (d) Sludge worms.

Which one of the following expanded forms of the following acronyms is **correct**

- (a) IPCC= International Panel for Climate Change
(b) UNEP = United Nations Environmental Policy
(c) EPA = Environmental Pollution Agency
(d) IUCN = International Union for Conservation of Nature and Natural Resources

The zone of atmosphere in which the ozone layer is found

- (a) Ionosphere (b) Mesosphere
(c) Stratosphere (d) Troposphere

High value of BOD (Biochemical Oxygen Demand) indicates that:

- (a) water is highly polluted
(b) water is less polluted
(c) consumption of organic matter in the water is higher by the microbes
(d) water is pure

Joint Forest Management Concept was introduced in India during:

- (a) 1990s (b) 1960s
(c) 1970s (d) 1980s

The highest DDT concentration in aquatic food chain shall occur in

- (a) eel (b) phytoplankton
(c) seagull (d) crab

Which one of the following statements is not valid for aerosols

- (a) They are harmful to human health
(b) They alter rainfall and monsoon patterns
(c) They cause increased agricultural productivity
(d) They have negative impact on agricultural land

Which of the following is a secondary pollutant?

- (a) CO (b) O₃
(c) SO₂ (d) CO₂

A person has impaired nervous system and sign of madness due to continued intake of metal contaminated water. The metal is :

- (a) Mercury (b) Calcium
(c) Manganese (d) Lead

Drinking mineral water with low levels (~ 0.02 ppm) of pesticide for long period would

- (a) Cause cancer of intestine (b) Pesticide accumulation in the body
(c) Cause leukaemia (d) Produce immunity against mosquito

Which one of the following statements pertaining to pollutant is correct?

- (a) DDT is nonbiodegradable pollutant
(b) Excess fluoride in drinking water causes osteoporosis
(c) Excess cadmium in drinking water may cause black foot disease
(d) Methyl mercury in water may cause ‘itai itai’ disease.

Which one of the following is an environment related disorder with correct main cause

- (a) Black lung disease is found mainly in workers of stone quarries and crushers
(b) Blue-baby disease is due to heavy use of nitrogenous fertilizers
(c) Non-Hodgkin’s lymphoma is found mainly in worker involved in manufacture of neem-based pesticides
(d) Skin cancer occurs mainly in people exposed to benzene and methane

A sewage treatment process in which a portion of the decomposer bacteria present in the waste is recycled into the beginning of the process, is called.

- (a) Primary treatment (b) Tertiary treatment
(c) Activated sludge treatment (d) Cyclic treatment

Rain is called acid-rain when its pH is below

- (a) 7 (b) 6.5
(c) 6 (d) 5.6

Which one of the following pairs is mismatched ?

- (a) Fossil fuel burning – release of CO₂ (b) Nuclear power – radioactive wastes
(c) Solar energy – green house effect (d) Biomass burning – release of CO₂

Photochemical smog formed in congested metropolitan cities mainly consists of

- (a) ozone, peroxyacyl nitrate and NO₂ (b) smoke, peroxyacyl nitrate and SO₂
(c) hydrocarbons, SO₂ and CO₂ (d) hydrocarbons, ozone and SO₂

Which one option is incorrectly matched regarding biological magnification of DDT in aquatic ecosystem?

- (a) Small fish - 0.5 ppm
(b) Large fish - 2ppm

- (c) Fish-eating birds - 25 ppm
- (d) Zooplankton- 0.003 ppm

Which of the following is not related with electrostatic precipitator and scrubber

- (a) 99 % particulate matter is removed by it
- (b) SO₂
- (c) Vapours containing mercury
- (d) Oxides of nitrogen

Lichens are best indicator of –

- (a) Air pollution
- (b) Water pollution
- (c) Soil pollution
- (d) Noise pollution

Fishes in eutrophic lake is died due to

- (a) Oxygen
- (b) Nutrient enrichment
- (c) CO₂
- (d) None

(a) : DDT is non-biodegradable and accumulates in the fat tissues. In an aquatic food chain seagull is the top carnivore therefore will possess highest concentration of DDT.

- (d)
- (c)

(c) : Kyoto protocol is an international treaty to reduce emission of greenhouse gases which was adopted at the third session of the Conference of Parties (CoP - 3) to the UNFCCC (United Nations Framework Convention on Climate Change) in 1997, in Kyoto, Japan.

- (b)

(b) : Ozone present in upper atmosphere forms a distinct layer that is known as ozone layer. Ozone layer is necessary for the survival of life on earth as it blocks harmful UV rays of sun from reaching earth's surface.

(d) : Soil conservation is to conserve fertile soil from the losses like heavy rainfall, drainage, high wind, flood, drought, etc. Soil is the top cover of the earth in which plants can grow. The rotation of crops, contour ploughing and use of proper fertilizers help in maintaining the fertility of soil. Plantation of trees, controlled grazing of grasslands, reforestation, prevention of forests fires will protect the erosion of top soil. The regulation of water resources to prevent flood will help not only in soil conservation but also supply an adequate water supply in the period of drought.

- (a)
- (d)
- (b)
- (b)
- (d)
- (c)
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