AIIMS – 2003

1. Mr. X in eating curd/yoghurt. For this food intake in a food chain he should be considered as occupying
(1) First trophic level
(2) Seconds trophic level
(3) Third trophic level
(4) Fourth trophic level

2. July 11 is observed as
(1) World Population Day (2) No Tobacco Day
(3) World Environment Day
(4) World Health Day

3. Biological Oxygen Demand (BOD) is a measure of
(1) Industrial wastes poured into water bodies
(2) Extent to which water is polluted with organic compounds
(3) Amount of carbon monoxide inseparably combined with haemoglobin (4) Amount of oxygen needed by green plants during night

4. Which one of the following is a matching pair of certain organisms(s) and the kind of association
(1) Shark and sucker fish - commensalisms
(2) Algae and fungi in lichens-mutualism
(3) Orchids growing on tress-parasitism
(4) ***Cuscuta*** (dodder) growing on other flowering plants epiphytism

5. In almost all Indian metropolitan cities like Delhi, the major atmospheric pollutant(s) is/are
(1) Suspended particulate matter (SPM)
(2) Oxide of sulphur
(3) Carbon dioxide and carbon monoxide
(4) Oxides of nitrogen

6. The map given below indicates the former and the present distribution of an animal. Which animal could it be :-
(1) Wild ass
(2) Nilgai
(3) Black buck
(4) Lion



AIMS - 2003						
Que.	1	2	3	4	5	6
Ans.	**3**	**1**	**2**	**2**	**1**	**1**

AIIMS – 2004

1. The Great Barrier Reef along the east coast of Australia can be categorized as
(1)Population (2)Community
(3)Ecosystem (4) Biome

2. Which one of the following is a pair of endangered species
(1) Garden lizard and Mexican poppy
(2) Rhesus monkey and Sal tree
(3) Indian peacock and carrot grass
(4) Hornbill and Indian Aconite.

3. If the Bengal Tiger becomes extinct
(1) Hyenas and wolves will become scare
(2) The wild areas will be safe for man and domestic animals
(3) Its gene pool will be lost for ever
(4) The populations of beautiful animals like deers will get stabilised.

4. Nitrogen oxides produced from the emission of automobiles and power plants, are the source of fine are borne particles which lead to
(1) Photochemical smog
2) Dry acid depositing
(3) Industrial smog
(4) Wet acid deposition

5. A lake with an inflow of domestic sewage rich in organic waste may result in
(1) Drying of the lake very soon due to algal bloom
(2) An increased production of fish due to lot of nutrients
(3) Death of fish due to lack of oxygen
(4) Increased population of aquatic food web organisms

6. Minamata disease was caused due to the consumption of
(1) Sea food containing lot of cadmium
(2) Fist contaminated with mercury
(3) Oysters with lot of pesticide
(4) Sea food contaminated with selenium

7. If high altitude birds become rare or extinct, the plants which may disappear along with them are
(1) Pine (2) Oak
(3) Orchid (4)Rhododendrons

AIMS – 2004							
Que.	1	2	3	4	5	6	7
Ans.	**3**	**4**	**3**	**2**	**3**	**2**	**4**

AIIMS – 2005

1. Which one of the following pairs of geographical areas show maximum biodiversity in our country :
(1) Sunderbans and Rann of Kutch
(2) Eastern Ghats and West Bengal
(3) Eastern Himalaya and Western Ghats
(4) Kerala and Punjab

2. One of the **ex situ** conservation methods for endangered species is :
(1) Wildlife Sanctuaries
(2)Biosphere Reserves
(3) Cryopreservation
(4) National Parks

3. Which one of the following statements pert aining to pollutants is **correct -**
(1) DDT is a non-biodegradable pollutant
(2) Excess fluoride in drinking water causes osteoporosis
(3) Excess cadmium in drinking water causes black foot disease
(4) Methyl mercury in water may cause "Itai Itai" disease

4. Which one of the following correctly represents an organism and its ecological niche ?
(1) ***Vallisneria*** and pond
(2) Desert locust ***(Schistocerca)*** and desert
(3) Plant lice (aphids) and leaf
(4) Vultures and dense forest

(1) Pyramid of number is a grassland
(2) Pyramid of biomass in a fallow land
(3) Pyramid of biomass in a lake
(4) Energy pyramid in a spring

6. Which one of the following is correct matching of plant, its habit and the forest type where it normally occurs ?
(1) ***Prosopis,*** tree, scrub
(2) ***Saccharum,*** grass, forest
(3) ***Shorea robusta,*** her, tropical rain forest
(4) ***Acacia catechu*** tree, coniferous forest

7. ***Assertion :*** Suspended particulate matter (SPM) in an important pollutant released by diesel vehicles.
Reason : Catalytic converters greatly reduce pollution caused by automobiles.
(1) A (2) B (3) C (4) D

8. ***Assertion :*** Presently, the global atmosphere is warming up.
Reason : The depletion of stratospheric ozone layer has resulted in increase in ultraviolet radiations reaching the earth.
(1) A (2) B (3) C (4) D

AIMS - 2005

Que.	1	2	3	4	5	6	7	8
Ans.	**3**	**3**	**1**	**1**	**3**	**1**	**2**	**2**