# Environment Olympiad Workbook Class 6

1.	The term 'Environment' has been derived from the French word	which
	means to encircle or surround	

- a) Environ
- b) Oikos
- c) Geo
- d) Aqua
- 2. The objective of environmental education is
  - a) Raise consciousness about environmental conditions
  - b) To teach environmentally appropriate behaviour
  - c) Create an environmental ethic
  - d) All the above
- 3. Which of the following conceptual spheres of the environment is having the least storage capacity for matter?
  - a) Atmosphere
  - b) Lithosphere
  - c) Hydrosphere
  - d) Biosphere
- 4. Which of the following components of the environment are effective transporters of matter?
  - a) Atmosphere and Lithosphere
  - b) Atmosphere and Hydrosphere
  - c) Hydrosphere and Lithosphere
  - d) Biosphere and Lithosphere
- 5. Biosphere is
  - a) The solid shell of inorganic materials on the surface of the earth
  - b) The thin shell of organic matter on the surface of the earth compromising of all the living things
  - c) The sphere which occupies the maximum volume of all the spheres
  - d) All the above
- 6. Atmosphere consists of 79 percent Nitrogen and 21 percent Oxygen by
  - a) Volume
  - b) Weight
  - c) Density
  - d) All the three
- 7. Which of the following is a biotic component of the ecosystem?
  - a) Fungi
  - b) Solar light
  - c) Temperature
  - d) Humidity

8.	8. In an ecosystem, the flow of energy is	
	a) Bidirectional	
	<ul><li>b) Cyclic</li><li>c) Unidirectional</li></ul>	
	d) Multidirectional	
^	,	
9.	Which pyramid is always upright	
	a) Energy	
	<ul><li>b) Biomass</li><li>c) Numbers</li></ul>	
	d) Food chain	
10.	D. In complex ecosystem the degree of species diversity is	
	a) Poor	
	b) High	
	c) Medium d) None	
	d) None	
11.	The organisms which directly feed on producers are called	
	a) Herbivores	
	<ul><li>b) Carnivores</li><li>c) Decomposers</li></ul>	
	d) Saprophytes	
12.	2. The sequence of eating and being eaten in an ecosystem is ca	alled
	a) Food chain	
	b) Carbon cycle	
	<ul><li>c) Hydrological cycle</li><li>d) Anthroposystem</li></ul>	
	, ,	
13.	3. Which of the following statements is false?	
	a) Inorganic nutrients are recycled in an ecosystem	
	<ul><li>b) Energy flows through the ecosystem in the form of carb</li><li>c) Energy is recycled in an ecosystem</li></ul>	on-carbon bonds
	d) Respiration process release energy	
14.	4. The largest reservoir of nitrogen in our planet is	
	a) Oceans	
	b) Atmosphere	
	c) Biosphere	
	d) Fossil fuels	
15. In aquatic ecosystems phytoplankton can be considered as a		
	a) Consumer	
	<ul><li>b) Producer</li><li>c) Saprotrophic organisms</li></ul>	
	d) Macroconsumer	

16. The	basic requirements of human beings are provide by
b c	Industrialisation Agriculture Nature Urbanisation
17. Envi	ronment is the life support system that includes
b c	Air  Water  Land  All of the above
18. In aı	n ecosystem biological cycling of materials is maintained by
b c	Producer Consumer Decomposer All of the above
19. Orga	anisms which feed directly or indirectly on producers are called
b c	Prey Consumers Decomposers Detritus
20. The	primary producers in a forest ecosystem are
b c	Chlorophyll containing trees and plants Herbivores Carnivores Bacteria and other micro-organisms
21. Abic	tic component includes

22. Which of the following statements is true

23. Primary consumer is

a) Herbivoresb) Carnivores

d) Omnivores

c) Macro consumers

a) Green plants are self-nourishingb) Producers depends on consumers

d) Herbivores depend on carnivores

c) Biotic components includes all non-living components

#### 24. A predator is

- a) An animal that is fed upon
- b) An animal that feeds upon another animal
- c) Animal that feeds upon both plants and animals
- d) A primary consumer
- 25. Access to food is mainly determined by
  - a) Household income
  - b) Food assistance programmes
  - c) Human resources
  - d) Society/community
- 26. The word 'Environment' is derived from
  - a) Greek
  - b) French
  - c) Spanish
  - d) English
- 27. Which among the following is a climatic factor?
  - a) Pressure
  - b) Humidity
  - c) Temperature
  - d) All of the above
- 28. The major atmospheric gas layer in stratosphere is
  - a) Hydrogen
  - b) Carbon dioxide
  - c) Ozone
  - d) Helium
- 29. Which atmospheric sphere is closest to the earth surface?
  - a) Troposphere
  - b) Stratosphere
  - c) Mesosphere
  - d) Exosphere
- 30. Which of the following is the terrestrial ecosystem?
  - a) Forest
  - b) Grassland
  - c) Desert
  - d) All of the above
- 31. Ecological pyramids are studies of
  - a) Pyramid numbers
  - b) Pyramid of biomass
  - c) Pyramid of energy
  - d) All of the above

- 32. World environment day is on
  - a) 5<sup>th</sup> May
  - b) 5<sup>th</sup> June
  - c) 18<sup>th</sup> July
  - d) 16<sup>th</sup> August
- 33. Factors responsible for balanced eco-system are
  - a) Balance between predator and prey
  - b) Balance between vegetation, herbivores and carnivores
  - c) Balance between competing species and biotic fators
  - d) All of the above
- 34. Which of the following is absorbed by green plants from the atmosphere?
  - a) Carbon dioxide
  - b) Water
  - c) Nutrients
  - d) All of the above
- 35. Habitat refers to
  - a) Physical conditions of the place where organisms live
  - b) Chemical conditions of the place where organisms live
  - c) Both a and b
  - d) None
- 36. Essential component of social security are
  - a) Meeting personal growth and development
  - b) Maintaining natural capital
  - c) Fairness and equity distribution of costs of resources
  - d) Community resilience
- 37. Socio-economic security in environmental aspects involves
  - a) Fairness and equity distribution costs for complete existing generation
  - b) Welfare of the present generation
  - c) Intra and intergenerational equity of resources
  - d) All of the above
- 38. A food web consists of
  - a) A portion of food chain
  - b) An organisms position in a food chain
  - c) Interlocking food chains
  - d) A set of similar consumers
- 39. Which of the following statements is true?
  - a) Man is not dependent on nature
  - b) Resources are unlimited, so one can use them as per one's wish
  - c) Energy can be converted from one form to another, but some percentage of it is lost into the environment
  - d) Matter can be generated afresh. It need not be recycled or reused

41. Environmental (protection) Act was enacted in the year
a) 1986
b) 1989
c) 1994
d) 1998
42. The Air(prevention and control of pollution) Act was enacted in the year
a) 1981
b) 1974
c) 1994
d) 2004
43. The leader of the Chipko movement is:
a) Sunderlal Bahuguna
b) Medha Patkar
c) Vandana Shiva
d) Suresh Heblikar
44. The environmental(protection)act 1986 deals with:
a) Water
b) Air
c) Soil
d) All
45. The objectives of the wild life protection act 1972 is:
a) To preserve the wild life bio-diversity
b) To maintain essential ecological and life supporting systems
c) Protection & conservation of wild life
d) All
46. The tiger conservation project was started in:
a) 1973
b) 1984
c) 1999
d) 2004

40. Which of the following conditions must be fulfilled to ensure food security?

b) Each person must have access to it
c) Food utilized/consumed must fulfil nutritional requirements
d) All of the above

a) Food must be available

47. An int	ternational conference on environmental education was held in December 1982 at:
a)	Kyoto
b)	Vienna
c)	New Delhi
d)	London
48. Thrivi	ng coral reefs require
<del>4</del> 0. 11111VI	ng dorar redis require
,	Cloudy water
b)	, ,
c)	Salinity that fluctuates with the tides
d)	Cold water
49. All of	the following threaten the survival of coral reefs except
a)	Increased ultraviolet light from stratospheric ozone depletion
b)	Eroded soil from deforestation and poor land management

- c) Chemical pollution
- d) Predation by sharks
- e) Collection tourists
- 50. In your explorations as a marine biologist, you find a new species of algae floating on the surface of a coastal zone. You would most likely classify this species as
  - a) Phytoplankton
  - b) Zooplankton
  - c) Benthos
  - d) Nekton
  - e) Decomposer
- 51. In a sample from a mud flat, you observe cyanobacteria under the microscope. You are most likely to classify this organism as
  - a) Phytoplankton
  - b) Zooplankton
  - c) Benthos
  - d) Nekton
  - e) Decomposer
- 52. On a fishing boat, someone catches a swordfish. You would most likely classify this species as a member of the
  - a) Phytoplankton
  - b) Zooplankton
  - c) Benthos
  - d) Nekton
  - e) Decomposer
- 53. All of the following organisms would be considered part of the benthos except
  - a) Cod
  - b) Lobster
  - c) Oysters
  - d) Sand worms
  - e) Crabs

# 54. An aquatic environment

- a) Concentrates toxic metabolic wastes
- b) Increases fluctuations in temperature
- c) Increases chances of overheating
- d) Dissolves nutrients and makes them readily available
- e) All of these answers
- 55. Populations of organisms living in aquatic life zones may be limited by
  - a) Access to light
  - b) Nutrient availability
  - c) Dissolved oxygen
  - d) All of these answers
  - e) None of these answers
- 56. Oxygen in the water varies widely because of
  - a) Number of producers
  - b) Number of decomposers
  - c) Temperature
  - d) Number of consumers
  - e) All of these.
- 57. The major types of flora and fauna found in aquatic ecosystems are determined primarily by
  - a) Temperature
  - b) Salinity
  - c) pH
  - d) Dissolved oxygen
  - e) Light
- 58. Zooplankton are:
  - a) Primary consumers.
  - b) Secondary consumers.
  - c) Tertiary consumers.
  - d) A and b only.
- 59. You are scuba diving in the Atlantic Ocean and find a new diatom you classify as phytoplankton. One piece of your supporting evidence for this classification is that you found the diatom in the
  - a) Euphotic zone
  - b) Bathyl zone
  - c) Profundal zone
  - d) Disphotic zone
  - e) Benthic zone
- 60. Oceans cover about \_\_\_\_ of the earth's surface.
  - a) 50%
  - b) 60%
  - c) 70%
  - d) 80%
  - e) 90%

61. The ocean zone that covers the continental shelf is the		
<ul> <li>a) Estuary</li> <li>b) Coastal zone</li> <li>c) Littoral zone</li> <li>d) Benthic zone</li> <li>e) Abyssal zone</li> </ul>		
62. The open sea contains% of the surface area of the oceans and% of its plant and animal life.		
a) 955 b) 9010 c) 9025 d) 8025 e) 7525		
63. Throughout the world, the most water is used for		
<ul> <li>a) Irrigation</li> <li>b) Industrial processes</li> <li>c) Needs of animals and humans</li> <li>d) Transportation</li> <li>e) Cooling towers of power plants</li> </ul>		
64. Which of the following uses tends to consume the smallest amount of water?		
<ul> <li>a) Irrigation</li> <li>b) Public use</li> <li>c) Industry</li> <li>d) Energy production</li> <li>e) Transportation</li> </ul>		
65. The largest use of water in the western United States is		
<ul> <li>a) Energy production</li> <li>b) Cooling</li> <li>c) Irrigation</li> <li>d) Hosing down livestock pens</li> <li>e) Manufacturing</li> </ul>		
66. Major water problems of the western United States include		
<ul> <li>a) Flooding.</li> <li>b) Insufficient water for some urban areas.</li> <li>c) Chronic drought and insufficient runoff.</li> <li>d) Pollution of rivers, lakes, and groundwater.</li> <li>e) Insufficient water for industry.</li> </ul>		
67. Water can be scarce because of		
<ul> <li>a) Water stress.</li> <li>b) Dry climate.</li> <li>c) Desiccation.</li> <li>d) Drought.</li> <li>e) All of these.</li> </ul>		

68. Most of the world's rivers are
<ul> <li>a) Found in one country.</li> <li>b) Shared by two countries.</li> <li>c) Shared by three to five countries.</li> <li>d) Shared by six to ten countries.</li> <li>e) Shared by more than ten countries.</li> </ul>
69. In 2005, the United Nations reported that people lack regular access to enough clean water for drinking, cooking, washing, and sanitation.
<ul> <li>a) One out of every four</li> <li>b) One out of every five</li> <li>c) One out of every six</li> <li>d) One out of every eight</li> <li>e) One out of every ten</li> </ul>
70. Aquifers provide almost of the world's water.
a) 1/6 b) 1/4 c) 1/3 d) 1/2 e) 2/3
71. The term <i>subsidence</i> refers to
<ul> <li>a) Failure of the groundwater supply.</li> <li>b) Accumulation of silt behind a dam.</li> <li>c) Sinking of ground when water has been withdrawn.</li> <li>d) Intrusion of salt water into a freshwater aquifer.</li> <li>e) Loss of water due to evaporation.</li> </ul>
72. Overuse of groundwater can lead to
<ul> <li>a) Saltwater intrusion.</li> <li>b) Subsidence.</li> <li>c) Aquifer depletion.</li> <li>d) All of these answers.</li> <li>e) None of these answers.</li> </ul>
73. Currently, groundwater in the United States is being withdrawn at its replacement rate.
<ul> <li>a) Half</li> <li>b) Equal to</li> <li>c) Two times</li> <li>d) Four times</li> <li>e) Five times</li> </ul>
74. Saudi Arabia gets about 70% of its drinking water from
<ul> <li>a) Deep aquifers</li> <li>b) Water imports</li> <li>c) Rainfall</li> <li>d) Desalination</li> </ul>

e) Lakes and rivers

75. All of the following are ways to prevent or slow groundwater depletion except	
a) Subsidize water conservation	
b) Waste less water	
c) A ban on new well construction	
<ul><li>d) Grow more water-intensive crops</li><li>e) Buy and retire groundwater withdrawal rights</li></ul>	
76. Large dams and reservoirs	
a) Reduce danger of flooding upstream.	
b) Are inexpensive to build.	
c) Cannot be used for outdoor recreation.	
<ul><li>d) Can be used to provide electric power.</li><li>e) All of these answers.</li></ul>	
77. Dams	
a) Are relatively inexpensive to build.	
b) Destroy agricultural land and scenic areas.	
<ul><li>c) Facilitate migration of fish.</li><li>d) Provide downstream areas with nutrients</li></ul>	
e) Prevent flooding.	
78. The world's total water resources is estimated as	
a) 1.37 x 10 million nm	
b) 1.36 x 10 million nm	
c) 1.35 x 10 <sup>7</sup> million nm	
d) 1.36 x 10 <sup>9</sup> million nm	
79. In global water resources, the salt water occupies	
a) 97.2%	
b) 97.1%	
c) 98.2%	
d) 99.3%	
80. In global water resources, the fresh water occupies	
a) 2.8%	
b) 2.81%	
c) 2.9%	
d) 2.3%	
81. The fresh water available on the surface of the earth (surface water) is about	
a) 2.2%	
b) 2.1%	
c) 2.0% d) 2.8%	
82. The percentage of fresh water available in ground water is about	
a) 0.6%	
b) 0.2%	
c) 0.8%	
d) 0.9%	

83. 2.15 % of water on the earth is in the form of		
a) Glaciers and ice caps		
<ul><li>b) Lakes and reservoirs</li><li>c) Both a and b</li></ul>		
d) Streams		
84. 0.0001% of fresh water is available in the form of		
a) Lakes		
b) Steams		
<ul><li>c) Water vapor in the atmosphere</li><li>d) Ice caps</li></ul>		
85. The average rainfall in India is around		
a) 365 cm		
b) 112 cm		
c) 114 cm d) 116 cm		
86. Sinking of wells and a variety of water devices were found from		
a) Vedic times		
<ul><li>b) Epic times</li><li>c) Both a and b</li></ul>		
d) None		
87. In which year was the Geneva Protocol signed?		
a) 1918		
b) 1928 c) 1921		
d) 1925		
88. The Cretaceous - Tertiary extinction event is referring to the extinction of which race?		
a) Woolly mammoths		
b) Sabre-tooth tigers c) Tasmanian tiger		
d) Dinosaurs		
89. Biodiversity found on the earth today is the result of how many years of evolution?		
a) 3.5 billion		
b) 120, 000 c) 40 million		
d) 38		
90. All life on the earth consisted of Archaea, Bacteria, Protozoans, etc. until how many years ago?		
a) 50		
b) 2 billion c) 600 million		
d) 40 billion		

a) 1904 b) 1903 c) 1905 d) 1910		
92. The well sinking department of Nizam made interesting studies on ground water in		
<ul><li>a) Central plateau</li><li>b) Deccan basallic terrains</li><li>c) Both (a) and (b)</li><li>d) None</li></ul>		
93. In which year, the project for construction of 1500 community tube wells in the Ganga basin was initiated in U.P.?		
a) 1934 b) 1936 c) 1932 d) 1935		
94. Expansion of EIO is		
<ul> <li>a) Exploratory tube wells organization</li> <li>b) Exploratory tundra well organization</li> <li>c) Both (a) and (b)</li> <li>d) None</li> </ul>		
95. Large-scale ground water investigation programmes have been taken up, since 1967 in		
<ul><li>a) Rajasthan</li><li>b) Gujarat</li><li>c) Tamil Nadu</li><li>d) All the three</li></ul>		
96. In 1970 the major programmes with the assistance of UNICEF for provision of drilled wells for rural water supply have been launched in the		
<ul><li>a) Hard rock areas of AP</li><li>b) MP</li><li>c) Tamil Nadu</li><li>d) All of the above</li></ul>		
97. Organism which consume decaying organic matter is called:		
<ul><li>a) Herbivore</li><li>b) Omnivore</li><li>c) Detritivore</li><li>d) Carnivore</li></ul>		
98. Forests are extremely important because they		

a) Provide clean water and clean air

c) Provide recreation and a change from hectic urban life d) All of the above

b) Provide habitat for wildlife

91. The first irrigation commission affirmed the importance of irrigation wells in the year

#### 99. Deforestation means

- a) Conversion of forest land for agricultural/pasture/homes etc..,
- b) Creation of new forest land for the wild life
- c) Planting trees in the cities
- d) Not managing the forest properly
- 100. The oceans are the largest storage of water on earth containing:
  - a) 95% of earth's water
  - b) 85% of earth's water
  - c) 97% of earth's water
  - d) 75% of earth's water
- 101. Which of the following is not a part of the hydrological cycle
  - a) Precipitation
  - b) Infiltration
  - c) Transpiration
  - d) Perspiration
- 102. Which of the following is the remedial measure for acid rain?
  - a) Reducing the release of oxides of nitrogen and sulphur into the atmosphere
  - b) Use of coal, free from sulphur
  - c) Use of electro-static precipitator and catalytic converters
  - d) All of the above
- 103. The primary cause of acid rain around the world is
  - a) CFC
  - b) SO<sub>2</sub>
  - c) CO
  - d)  $O_3$
- 104. Acid rain can be controlled by
  - a) Reducing SO<sub>2</sub> and NO<sub>2</sub> emissions
  - b) Increasing number of lakes
  - c) Increasing the forest cover
  - d) Reducing oxygen emission
- 105. World Wetlands Day is celebrated on February 2nd every year to mark the adoption of the convention:
  - a) Paris convention
  - b) Biodiversity Convention
  - c) Vienna convention
  - d) Ramsar convention
- 106. Vienna Convention is aimed at:
  - a) Protection of ozone layer
  - b) Conservation of biodiversity
  - c) Sustainable utilization of wetlands
  - d) Reduction of pollutants

b) c)	World environment day World wetlands day World biodiversity day World ozone day	
109. Which prot	ocol is meant for prohibiting chemical and biological weapons in war?	
b) c)	Geneva protocol Montreal protocol Kyoto protocol Madrid protocol	
110. In which year was the Geneva Protocol signed?		
b) c)	1918 1928 1921 1925	
111. What would	d be a good way to preserve biodiversity	
b) c)	By not littering Reduce Reuse Recycle Not driving as often All of the above	
112. Dams and reservoirs		
b) c) d)	May kill young salmon as they pass through turbines. Slow downstream migration, exposing juvenile salmon to more predation. Without ladders prevent upstream migration of mature salmon. All of these answers. None of these answers.	
113. Salmon rar	nching results in all of the following except	
	Increasing the need to add ladders and bypasses for migrating salmon. Environmental stress after release of the fish.  Competition of the fish raised by ranching with wild species.  Increased susceptibility to diseases because of genetic uniformity.  None of these answers.	
114. Approximately% of earth's water supply is available to us as liquid freshwater.		
b) c) d)	.02 .2 2 22 42	

108. Which day is observed every year globally to commemorate the signing of the Montreal

107. When did Vienna convention enter into force?

a) 1985b) 1980c) 1978d) 1971

Protocol?

115. The hydrologi	c cycle will naturally purify and recycle fresh water as long as humans don't
b) Wit c) Ove d) A a	lute the water faster than it is replenished. hdraw water from groundwater supplies faster than it is replenished. erload it with slowly degradable and non-biodegradable wastes. nd B only. of these answers.
116. Porous water	-saturated layers of underground rock are known as
c) Wa d) Rur	uifers. charge areas. tersheds. noff areas. ter tables.
117. Which of the f	following statements is false?
b) The c) Wa d) Gro	charging of water is a slow process.  e water table moves down in dry weather.  ter in a confined aquifer is under pressure.  bundwater is stationary and does not move.  e water table is located at the top of the zone of saturation.
118. Which of the f	following stages of cultural eutrophication occurs last?
c) Inci d) Inci	h kills oms of algae rease in aerobic bacteria rease in anaerobic bacteria rease of plants such as duckweed
119. Biogas is gas	eous fuel composed mainly of
b) Me	thane and carbon dioxide thane and hydrogen sulphide thane and carbon monoxide
120. Molasses from	m sugar industry is used to generate
,	
121. The Karnatak	a state pollution control board(KSPCB) was established in the year
<ul><li>a) 197</li><li>b) 198</li><li>c) 198</li><li>d) 197</li></ul>	32 36
122. Environmenta	al protection is the responsibility of

a) Govt. Of Indiab) NGOs

c) Individual

d) All

- 123. 'Earth day' is observed on:
  - a) 1st December
  - b) 5th June
  - c) April 22nd
  - d) 1st January
- 124. ISO-14000 standards deal with:
  - a) Pollution management
  - b) Risk management
  - c) Environmental management
  - d) None of the above
- 125. An ecologist would expect to find a thermocline in a temperate lake in
  - a) Spring and summer.
  - b) Spring and fall.
  - c) Summer and winter.
  - d) Fall and summer.
  - e) Fall only.
- 126. Lake overturns bring
  - a) Oxygen and nutrients to the surface.
  - b) Oxygen and nutrients to the lake bottom.
  - c) Oxygen to the surface and nutrients to the lake bottom.
  - d) Oxygen to the lake bottom and nutrients to the surface.
  - e) Oxygen to the surface.
- 127. If you fish for trout, you would be most likely to seek out which part of a stream?
  - a) Headwaters
  - b) Middle elevations
  - c) Mouth
  - d) All sections equally
  - e) Middle and mouth
- 128. Which of the following is a problem not associated with population growth?
  - a) Increased resource consumption
  - b) Environmental pollution
  - c) Food and energy shortages
  - d) None of these
- 129. The major objectives of family welfare programs in India is
  - a) Disease control
  - b) Population growth rate control
  - c) Employment generation none of these
  - d) None of these
- 130. Population ageing is
  - a) The increase in the average age of the population
  - b) The result of decreased death and birth rates
  - c) The trend where more people live to reach old age while fewer children are born
  - d) All of the above

131. Which of the following is not a population characteristic	
b) c)	Doubling time Total fertility rate Gross domestic product growth rate Infant mortality rate
132. Demography is the study of	
b) c)	Animal behaviour Population growth River None of these
133. Which of the following is not a solution for global warming	
b) c)	Reducing fossil fuel consumption Planting more trees De-forestation None of the above
134. The meaning of global warming is	
b) c)	Increase in the temperature of climate A planet hotter than earth Solar radiation Cooling effects
135. Global warming may bring about the following changes in the climate of the earth	
b) c)	Increase in the rain fall Desertification Drought All of the above
136. Which greenhouse gas is known as colourless, non-flammable, sweetish odour and laughing gas?	
a) b) c) d)	Methane CO <sub>2</sub> Nitrous Oxide Sulphur hexafluoride
137. The first major environmental protection act to be promulgated in India was	
a)	Water act

138. Which of the following substantially reduces CO2 emission from automobiles?

- a) Bio fuels like ethanol and bio diesel
- b) Fossil fuels like coal and lignite
- c) Nuclear elements like uranium
- d) Voltaic cells

b) Air act

c) Environmental actd) Noise pollution act

139. The international protocol to protect the ozone layer is	
<ul><li>a) Vienna protocol</li><li>b) Kyoto protocol</li><li>c) Cartagena protocol</li><li>d) Montreal protocol</li></ul>	
140. The protocol that reduces CO2 emissions is	

- 140. The protocol that reduces CO2 emissions is
  - a) Kyoto protocol
  - b) Cartagena protocol
  - c) Montreal protocol
  - d) Vienna protocol
- 141. Population explosion will cause
  - a) Socio economic problems
  - b) Food scarcity
  - c) Energy crisis
  - d) All of these
- 142. Which of the following is not a greenhouse gas
  - a) Hydro chlorofluorocarbons
  - b) Methane
  - c) CO<sub>2</sub>
  - d)  $SO_2$
- 143. Global warming could affect
  - a) Climate
  - b) Increase in sea levels
  - c) Melting of glaciers
  - d) All of the above
- 144. Primary cause of acid rain around the world is due to
  - a) Carbon dioxide
  - b) Sulphur dioxide
  - c) Carbon monoxide
  - d) Ozone
- 145. Which of the following is not a solution for global warming?
  - a) Reducing fossil fuel consumption
  - b) Planting more trees
  - c) Deforestation
  - d) None of the above
- 146. Which of the following is an air pollutant?
  - a) Carbon dioxide
  - b) Oxygen
  - c) Nitrogen
  - d) Particulate matter

#### 147. Water logging is a phenomenon in which

- a) Crop patterns are rotated
- b) Soil root zone becomes saturated due to over irrigation
- c) Erosion of soil
- d) None of the above

### 148. The impact of construction of dams

- a) Submerged forest
- b) Loss of wild life habitat
- c) Damages downstream ecosystem
- d) All of the above

#### 149. Which of the following statements is false

- a) Soil erosion affects the productivity
- b) It takes 300 years for 1 inch of agricultural top soil to form
- c) The amount of soil erosion depends on soil type, slope, drainage pattern and crop management practices
- d) Soil erosion helps to retain water and nutrients in the root zone

## 150. Which of the following statements are true

- a) Surface runoff do not carry pesticides into streams
- b) Water percolating downwards through agriculture lands carries with it dissolved chemicals and contaminate ground water
- c) Present agricultural practice does not contaminate water
- d) None of the above