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# Practice **Set 3**

## Environmental SCIENCES

### Topics :

1. Ecosystem
2. Pollution and its types

DDCE final exam weightage of this topic : 3 Questions ( 6 Marks )

Total Practice sets  
of this topic :

$5 \text{ ( sets ) } \times 40 \text{ ( questions ) } = 200 \text{ Questions}$

Total Practice tests  
of this topic :

$2 \text{ ( exams ) } \times 30 \text{ ( questions ) } = 60 \text{ Questions}$

Offline / Online  
during lecture :

$4 \text{ ( lectures ) } \times 50 \text{ ( Questions ) } = 200 \text{ Question}$

Total 460 Questions to  
practice this topic



**91739 04421**



# UNITY TRAINING ACADEMY FOR DDCET

## Section 1 :

1. Ecosystem
2. Pollution and its types

1. Which of the following is a biotic component of an ecosystem?

- A) Water
- B) Soil
- C) Bacteria
- D) Air

2. The primary source of energy for an ecosystem is:

- A) Wind
- B) Water
- C) Sunlight
- D) Soil

3. Which of these is an example of a producer in an ecosystem?

- A) Fungi
- B) Grass
- C) Snake
- D) Hawk

4. Decomposers in an ecosystem are responsible for:

- A) Capturing sunlight
- B) Producing food
- C) Recycling nutrients
- D) Pollinating plants

5. A food chain always starts with a:

- A) Herbivore
- B) Carnivore
- C) Producer
- D) Decomposer

6. An example of a primary consumer is:

- A) Tiger
- B) Deer
- C) Grass
- D) Mushroom

7. The largest reservoir of water in the ecosystem is:

- A) Rivers
- B) Oceans
- C) Lakes
- D) Glaciers

8. Energy flow in an ecosystem is:

- A) Cyclic
- B) Linear
- C) Random
- D) Circular

9. Which is the correct order of a food chain?

- A) Producer → Decomposer → Consumer
- B) Consumer → Producer → Decomposer
- C) Producer → Consumer → Decomposer
- D) Decomposer → Producer → Consumer

10. Which of the following is a terrestrial ecosystem?

- A) Ocean
- B) Lake
- C) Forest
- D) River





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11. What is ecological succession?

- A) Movement of animals
- B) Gradual change in species composition
- C) Water cycle
- D) Food chain

12. Which pyramid is always upright?

- A) Pyramid of numbers
- B) Pyramid of biomass
- C) Pyramid of energy
- D) Inverted pyramid

13. Which gas is most important for photosynthesis?

- A) Oxygen
- B) Carbon dioxide
- C) Nitrogen
- D) Methane

14. An ecosystem is a functional unit that includes:

- A) Only plants
- B) Only animals
- C) Only decomposers
- D) Both biotic and abiotic components

15. The term 'biosphere' refers to:

- A) The upper atmosphere
- B) All living organisms and their environment
- C) Land surface only
- D) Ocean only

16. Aquatic ecosystems include:

- A) Forests
- B) Deserts
- C) Lakes and oceans
- D) Grasslands

17. The organisms that feed on dead organisms are called:

- A) Producers
- B) Consumers
- C) Decomposers
- D) Herbivores

18. Which of the following is not a type of pollution?

- A) Air
- B) Water
- C) Fire
- D) Noise

19. Which gas is primarily responsible for acid rain?

- A) CO<sub>2</sub>
- B) O<sub>3</sub>
- C) SO<sub>2</sub>
- D) CH<sub>4</sub>

20. Which pollutant causes the depletion of the ozone layer?

- A) Carbon monoxide
- B) Methane
- C) CFCs
- D) Lead

21. The main source of water pollution is:

- A) Industrial waste
- B) Wind
- C) Solar energy
- D) Earthquakes





# UNITY TRAINING ACADEMY FOR DDCET

## Section 1 :

1. Ecosystem
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22. Which of the following is a biodegradable pollutant?

- A) Plastic
- B) Pesticides
- C) Sewage
- D) Lead

23. Particulate matter in air pollution can cause:

- A) Hearing loss
- B) Respiratory issues
- C) Skin tanning
- D) Dehydration

24. Plants are also known as:

- A) Consumers
- B) Producers
- C) Decomposers
- D) Predators

25. The unit of noise level is:

- A) Joule
- B) Watt
- C) Decibel
- D) Volt

26. A major greenhouse gas emitted from landfills is:

- A) Nitrogen
- B) Oxygen
- C) Methane
- D) Ozone

27. Noise pollution can cause:

- A) Asthma
- B) Hearing loss
- C) Diarrhea
- D) Obesity

27. Oil spills primarily affect:

- A) Forests
- B) Aquatic life
- C) Deserts
- D) Mountains

28. Which disease is commonly caused by water pollution?

- A) Asthma
- B) Cholera
- C) Tuberculosis
- D) Malaria

29. The main pollutant in vehicular emissions is:

- A) Ozone
- B) Carbon monoxide
- C) Nitrogen
- D) Argon

30. Thermal pollution is caused by:

- A) Cold water
- B) Hot effluents from industries
- C) Oil spills
- D) Radiation

31. Plastic is a major cause of:

- A) Soil pollution
- B) Air pollution
- C) Noise pollution
- D) Radiation





**Section 1 :**

- 1. Ecosystem
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32. Which of these is a natural source of air pollution?
- A) Motor vehicles
  - B) Factories
  - C) Forest fires
  - D) Mining
33. Which metal causes water pollution and is harmful to the nervous system?
- A) Zinc
  - B) Iron
  - C) Mercury
  - D) Potassium
34. The most effective way to control pollution is:
- A) Burning waste
  - B) Recycling and reuse
  - C) Deforestation
  - D) Overuse of fertilizers
35. Which ecosystem has the highest biodiversity?
- A) Desert
  - B) Grassland
  - C) Tundra
  - D) Tropical rainforest
36. In an aquatic ecosystem, the main autotrophs are:
- A) Fish
  - B) Algae
  - C) Fungi
  - D) Plankton
37. Which of the following is not a function of an ecosystem?
- A) Energy flow
  - B) Nutrient cycling
  - C) Pollution creation
  - D) Food chain regulation
38. Which pollutant is primarily responsible for causing blue baby syndrome in infants? [DDCET-2024]
- A) Sulphates
  - B) Lead
  - C) Nitrates
  - D) Phosphates
39. Which of the following causes air pollution?
- A) Bicycles
  - B) Cars and factories
  - C) Solar panels
  - D) Wind turbines
40. What is an ecosystem made up of?
- A) Only animals
  - B) Only plants
  - C) Living and non-living things
  - D) Only humans

