UNITY TRAINING
ACADEMY FOR DDCET

LOGIN TO **WWW.UNITYEXAMS.COM**
AND START PREPARATION FOR DDCET

Practice Set 3 Solution

Environmental
SCIENCES

Topics :
1. Ecosystem
2. Pollution and its types

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

Total Practice sets of this topic : 5 (sets) x 40 (questions) = 200 Questions

Total Practice tests of this topic : 2 (exams) x 30 (questions) = 60 Questions

Offline / Online during lecture : 4 (lectures) X 50 (Questions) = 200 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

DDCET 2025

91739 04421   www.unityexams.com

U UNITY TRAINING
ACADEMY FOR DDCET

Section 1 :
1. Ecosystem
2. Pollution and its types

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_2
B) O_3
C) SO_2 ✓
D) CH_4

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

CLICK HERE TO JOIN OUR **WHATSAPP GROUP** AND ACCESS ALL MATERIALS

DDCET 2025

91739 04421   www.unityexams.com

UNITY TRAINING
ACADEMY FOR DDCET

Section 1 :
1. Ecosystem
2. Pollution and its types

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

CLICK HERE TO JOIN OUR **WHATSAPP GROUP** AND ACCESS ALL MATERIALS

DDCET 2025

UNITY TRAINING
ACADEMY FOR DDCET

Section 1 :
1. Ecosystem
2. Pollution and its types

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

CLICK HERE TO JOIN OUR **WHATSAPP GROUP** AND ACCESS ALL MATERIALS

DDCET 2025

91739 04421   www.unityexams.com