

KASHI NARESH GOVERNMENT P.G.COLLEGE GYANPUR BHADOHI
DEPARTMENT OF BOTANY
MSC. 2nd SEMESTER Paper fourth (Ecology and Plant Soil Relationship)
Multiple Choice Questions(as e content for students during Lockdown due to Covid 19)

Submitted by
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1-Autecology means

a- Effect of soil on vegetation b-Ecology of individual organism c-Effect of precipitation on vegetation d-Effect of temperature on vegetation

2-Biotic potential is counteracted by

a-Competition with other organism b-Limitations of food supply c-Producer is largest d- None

3-Biotic potential refers to

a-Increase in populations under optimum conditions b-Increase in populations under given conditions
c-Increase in populations under natural conditions d-Increase in populations under climatic conditions

4-When an organism is benefitted without affecting the other is called

a-Commensalism b-Symbiosis c-Parasitism d-Saprophytism

5-A community is

a-Autotrophs and Heterotrophs b-A collection of plants and animals c-Organism living in a habitat
d-Web of life

6-Which of the following concerns synecology

a-Same species b-Different species c-Both d-None

7-Who first correctly defined the term ecology

a-Taylor b- Tansley c-Haeckel d-Odum

8-Plants and animals in an area constitutes

a-Plantation b- Community c-Population d-Ecosystem

9-The term ecology was coined by

a-Brown b-Aristotle c- Khorana d-Reiter

10-As the number of organism increase in a populationa-Biotic potential increases b-Biotic potential decreases c- Environmental resistance increases d-None of happens

11-Primary succession refers to the development of communities on a

a-Newly exposed habitat with no record of earlier vegetation b-Pond freshly filled with water after a dry phase c-Forest clearing afterdevasting fire d-Freshly cleared crop field

12- One of the following is the pioneer vegetation

a-Lichens b-Ferns c-Mosses d-Diatoms

13-The earlier settlers on barren lands are generally

a-Lichens b-Ferns c-Mosses d-Diatoms

14-A climax community is recognisable because it is

a-Uniform in composition b-Highly productive c-Composed of trees d-Composed of grasses, herbs, shrubs

15- If a vegetation of a place is burnt, the first one to appear will be

a-Mosses b-Lichens c-Liverworts d-Grasses

16-The nature of climax community ultimately depends on

a-Climate b- Soil organisms c-Bed rock d-Pool of available nutrients

17-Population density of aquatic organisms is expressed in terms of individuals per

a-Meter b-Meter² c-Meter³ d-Meter⁻³

18-Plants of salty seashore wetlands are called

a-Halophytes b-Heliophytes c-Hydrophytes d-Saprophytes

19-Epiphytes are not found in Delhi because of

a-Moist air b-Semiarid climate c-Large number of automobiles d-Large number of factories

20-Ephemerals are xerophytes that are

a-Drought resistance b-Drought enduring c-Drought escaping d-None

21-Reduced leaves and sunken stomata are the characteristic feature of

a-Epiphytes b-Hydrophytes c-Mesophytes d-Xerophytes

22- Heat energy of plants is measured in

a-Grams b-Pounds c-Decibels d-Calories

23- Energy plantations differ from energy croppings are

a-Source of fuelwood b-Substitutes for petroleum c-Renewable d-Exportable

24- Which of these can be used in place of petrol

a-Propanol b-Methanol c-Butanol d-ethanol

25-Annual consumption of fuelwood in India is

a-641.5 mt b-164.5 mt c-146.5 mt d-416.5 mt

26-Social forestry aims at making available

a-Firewood b-Fodder c-Minor timber d-All

27-First bioherbicide is

a-Phytoherbicide b-Mycoherbicide c-Nematoherbicide d-Bacterioherbicide

28-The transfer of energy from organisms to organisms in a natural community establishes

a-Food chain b-Biological control c-Natural barriers d-none

29-Top of ecological pyramid is occupied by

a- Herbivores b- Carnivores c-Producers d-None

30-In an ecosystem in biotic components ,which of the following occur

a-Flow of energy b-Cycling of materials c-Consumers d-Flow of energy and cycling of materials

31-Which causes water pollution

a-2-4 D b-Smoke c-Automobile exhaust d-Aeroplanes

32-In polluted lakes the index of pollution is

a-Frog b-Daphnia c-Artimia d-none

33-Sewage water can be purified for recycling with the action of

a-Aquatic plants b-Penicillin c-Microorganism d-Fishes

34-Sewage drained into water bodies kill fishes because

a- It gives of bad smell b-It removes the food eaten by fish c-It increases competition with fishes for dissolved oxygen d-Excessive CO₂ is added in water

35-Domestic waste contain

a- Nonbiodegradable pollutants b-Biodegradable pollutants c-Hydrocarbons d-None

36-Herbicide DCMU kills weeds by

a- Inhibiting respiration b- Inhibiting cell division c-Inhibiting CO₂ uptake d-Inhibiting NO₃ uptake

37-DDT is an

a- Antibiotic b- Biodegradable pollutants c-Nonbiodegradable pollutants d-None

38-Which of the following is the chief source of water and soil pollution

a-Agroindustry b- Mining c-Thermal power stations d- all

39-Major drawback of DDT is

a-Organism at once develop resistance to it b-It is significantly less effective than other pesticides c- Its cost of production is high d-It is not easily and rapidly degraded in nature

40-When large amount of sewage is dumped in a river the BOD will

a- Increase b-Remain unchanged c-Slightly decreases d-Decrease

41-Humus is an example of

a-Soil structure b- Crystalloids c- Organic colloid d-None

42- Laterization is a process that results

a-Degradation of soil b- Purification of soil c-Formation of soil d- Sterilization of soil

43-NEERI is situated at

a-New Delhi b-Nagpur c-Bhopal d-Baroda

44- Salinity of the soil is often caused due to

- a-Accumulation of soluble minerals near or in the surface in arid region b-Excessive addition of water
c-Rapid evaporation of water d-Excessive leaching

45-Biologists celebrates 5th June as

- a- World population day b-World Environment day c-Darwins birthday d-World hygiene day

46-Main air pollutant is

- a- CO b-CO₂ c-Hydrocarbons d-Sulphur

47-In a biosphere reserve, limited human activity is permitted in

- a- Core zone b-Buffer zone c- Manipulation zone d- None

48-The effect of pollution is first and most marked on

- a-Natural flora of a place b-Natural balance of our environment c-Natural geo-chemical cycles d-
all of above

49-Limited private operations are permitted in

- a- Natural parks b- Sanctuaries c- Both d- None

50-Most serious threat to wild life comes from

- a-Introduction of exotic species b-Over exploitation c- International trade d- Habitat destruction

51-The wild life is protected

- a-Insitu b-Exsitu c-neither insitu or exsitu d- Both exsitu or insitu

52-The wild life protection Act was passed in

- a- 1972 b-1982 c-1992 d- 1962

53-Wild life includes

- a-Large animals and their habitats b-Ferocious animals and their habitats c-Any living organism in
natural habitat d-any living organism in any habitat

54-A taiga ecosystem is

- a-Subtropical zone b-Subalpine zone c-Alpine zone d-temperate zone

55-Deciduous forests are characterized by

- a- Presence of variety of crocodiles b-Presence of very narrow leaved trees growing together c-
Presence of variety of grasses together d-Presence of broad leaved trees growing together

56- Endemic plants are those which are

- a- Cosmopolitan in distribution b-Gregarious in habit c-Restricted to a certain area d-Found in
arctic region

57-A plankton is

- a-Layer of aquatics b- Sea scum c- Floating vegetation d-Floating microscopic plants and animals

Answer key

1- b 2-b 3-a 4-a 5-c 6-b 7-c 8-b 9-d 10- b 11-a 12-a 13-a 14-c 15-b

16-a 17-c 18-a 19-b 20-c 21-d 22-d 23-a 24-d 25- c 26-d 27- b 28-a

29-b 30- b 31-a 32- b 33-c 34- c 35- b 36- c 37-c 38- d 39- d

40- a 41- c 42- c 43- b 44- a 45- b 46- a 47- b 48- b 49- b 50- d

51- d 52- a 53- c 54- b 55- d 56- c 57- d