

QB365 Question Bank Software Study Materials

Botany - Environmental Issues 50 Important 1 Marks Questions With Answers (Book Back and Creative)

12th Standard

Biology

Total Marks : 50

Multiple Choice Question

50 x 1 = 50

- 1) Which of the following would most likely help to slow down the greenhouse effect.
(a) Converting tropical forests into grazing land for cattle. (b) Ensuring that all excess paper packaging is buried to ashes.
(c) Redesigning landfill dumps to allow methane to be collected.
(d) Promoting the use of private rather than public transport.
- 2) With respect to Eichhornia
Statement A: It drains off oxygen from water and is seen growing in standing water.
Statement B: It is an indigenous species of our country.
(a) Statement A is correct and Statement B is wrong (b) Both Statements A and B are correct
(c) Statement A is correct and Statement B is wrong. (d) Both statements A and B are wrong
- 3) Find the wrongly matched pair.
(a) Endemism - Species confined to a region and not found anywhere else. (b) Hotspots - Western ghats
(c) Ex-situ Conservation - Zoological parks **(d) Sacred groves - Saintri hills of Rajasthan**
(e) Alien sp. Of India - Water hyacinth
- 4) Depletion of which gas in the atmosphere can lead to an increased incidence of skin cancer?
(a) Ammonia (b) Methane (c) Nitrous oxide **(d) Ozone**
- 5) One green house gas contributes 14% of total global warming and another contributes 6%. These are respectively identified as _____.
(a) N₂O and CO₂ (b) CFCs and N₂O (c) CH₄ and CO₂ **(d) CH₄ and CFCs**
- 6) One of the chief reasons among the following for the depletion in the number of species making endangered is _____.
(a) over hunting and poaching **(b) green house effect** (c) competition and predation (d) Habitat destruction
- 7) Deforestation means _____.
(a) growing plants and trees in an area where there is no forest
(b) growing plants and trees in an area where the forest is removed (c) growing plants and trees in a pond
(d) Removal of plants and trees
- 8) Deforestation does not lead to _____.
(a) Quick nutrient cycling (b) soil erosion (c) alternation of local weather conditions
(d) Destruction of natural habitat weather conditions
- 9) The unit for measuring ozone thickness _____.
(a) Joule (b) Kilos **(c) Dobson** (d) Watt
- 10) People's movement for the protection of environment in Sirsi of Karnataka is _____.
(a) Chipko movement (b) Amirtha Devi Bishwas movement **(c) Appiko movement** (d) None of the above
- 11) The plants which are grown in silvipasture system are _____.
(a) S (b) Salween and Catalpa (c) Gliricidia and Pongamia (d) Teak and sandal

(a) **Sesbania and Acacia** (b) Solenum and Crotalaria (c) Clitoria and Begonia (d) Teak and sandal

12) _____ is not a method of waste water treatment.

(a) oxidation ponds (b) Anaerobic lagoons (c) **Catalytic converter** (d) Anaerobic bioreactor

13) Which is not a beneficial aspect of Agroforestry?

(a) Nutrient cycling is improved (b) Balance in O₂ - CO₂ composition

(c) **Suitable for wetland where rainfall is maximum** (d) Reduces water run-off problem

14) Which is not reduced by deforestation?

(a) **Amount of habitat** (b) Amount of animal population (c) Amount of biodiversity (d) Amount of agricultural land

15) Invasive species _____

(a) alter the soil system (b) are more adapted (c) are fast growing (d) **all the above**

16) Pick out the odd one out _____

(a) Biosphere reserve (b) National parks (c) Wild life sanctuaries (d) **Botanical gardens**

17) Biochar is _____

(i) a kind of char coal used as a soil amendment

(ii) a potent way of sequestering carbon

(iii) made from biomass via pyrolysis

(iv) a notable solid, rich in carbon.

(a) (i) and (ii) is correct (b) (ii) and (iv) is correct (c) (i) and (ii) is correct (d) **all the above is correct**

18) EIA stands for _____

(a) Ecological Information Analysis (b) Environmental Information Assessment (c) Environmental Impact Analysis

(d) **Environmental Impact Assessment**

19) The ozone layer of _____ is called bad ozone.

(a) Stratosphere (b) Mesosphere (c) **Troposphere** (d) Exosphere

20) Clean Development Mechanism (CDM) is defined in _____

(a) Copenhagen Acord (b) Montreal Protocol (c) Paris Agreement (d) **Kyoto Protocol**

21) Identify the plant species that is not used as a live fence.

(a) Sesbania grandiflora (b) Acacia species (c) **Petunia species** (d) Erythrina species

22) Assertion (A): CO₂ is a main cause for global warming

Reason (R): Greenhouse gases trap the radiant heat from sun

(a) A is correct R is incorrect. (b) A is incorrect R is correct. (c) **R explains A.** (d) Both A and R are incorrect.

23) Assertion (A): Social forestry refers to management of forests and afforestation on barren lands.

Reason (R): Afforestation involves the cutting of trees.

(a) **A is correct R is incorrect.** (b) A is incorrect R is correct. (c) R explains A. (d) Both A and R are incorrect.

24) Coral bleaching is observed at

(a) **Gulf of mannar** (b) West Coast of India (c) Bay of Bengal (d) Sundarbans

25) _____ called as the forest man of India

(a) Salim Ali (b) Jay Prakash (c) **Jadav Payeng** (d) Ramdeo Misra

26) Match the following:

(A) Agroforestry	1 Acacia nilotica
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(B)	Protein Bank	2	Afforestation
(C)	Livefence of fodder trees & hedges	3	Eucalyptus
(D)	Social forestry	4	Erythrina SP

(a) **(A) 3, (B) 1, (C) 4, (D) 2** (b) (A) 1, (B) 2, (C) 3, (D) 4 (c) (A) 4, (B) 3, (C) 2, (D) 1 (d) (A) 2, (B) 4, (C) 1, (D) 3

27) _____ are considered as the second most significant threat to bio-diversity after habitat loss

(a) Deforestation (b) Endemism (c) Carbon Sink (d) **Invasive alien species**

28) _____ is an aggressive coloniser

(a) Eichhornia crassipes (b) **Prosopis juliflora** (c) Acacia nilotica (d) Sesbania grandiflora

29) Find the correct pair

(a) In situ conservation - in-vitro conservation (b) **Sacred groves - Sittannavasal**
(c) Ex situ conservation - state conservation (d) Endemic species - Hardwickia bentickia

30) Which one of the following is an alien invasive species?

(a) Mangifera indica (b) **Eichhornia crassipes** (c) Solanum nigrum (d) Zizipus jujuba

31) Which one of the following is a livefence of fodder?

(a) **Gliricidia sepium** (b) Nerium (c) Aloe vera (d) Chrysanthemum

32) Now a days, scientists suggest carbon sequestration is a solution for global warming. The reason is

(a) **The balance between photosynthesis and respiration is disturbed.**
(b) The absorption process of plants from the soil is disturbed.
(c) Due to high intensity of light respiration process is disturbed
(d) Carbon sequestration is not the solution for global warming.

33) Match the following

(A)	Carbon capture & Storage	1	Reduce use of electronic devices
(B)	Carbon sequestration	2	Method to store carbon
(C)	Carbon foot print	3	Geological sequestration
(D)	Biochar	4	Tecomastans

(a) **(A) 3, (B) 4, (C) 1, (D) 2** (b) (A) 1, (B) 3, (C) 2, (D) 4 (c) (A) 2, (B) 1, (C) 3, (D) 4 (d) (A) 4, (B) 2, (C) 3, (D) 1

34) In which of the following both pairs have correct combination?

(a) Gaseous nutrient cycle Sedimentary nutrient cycle - Nitrogen and Sulphur Carbon and Phosphorous
(b) Gaseous nutrient cycle Sedimentary nutrient cycle - Sulphur and Phosphorous Carbon and Nitrogen
(c) **Gaseous nutrient cycle Sedimentary nutrient cycle - Carbon and Nitrogen Sulphur and Phosphorous**
(d) Gaseous nutrient cycle Sedimentary nutrient cycle - Carbon and Sulphur Nitrogen and Phosphorous

35) Natural reservoir of phosphorous is

(a) **rock** (b) fossils (c) sea water (d) animal bones

36) Secondary productivity is rate of formation of new organic matter by

(a) **consumers** (b) decomposers (c) producers (d) Parasites

37) Which one of the following processes during decomposition is correctly described?

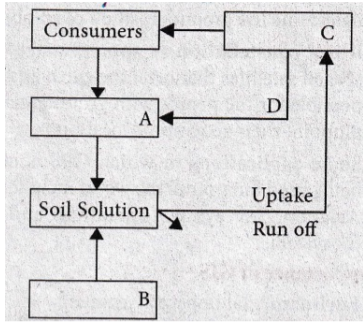
(a) Catabolism - Last step in the decomposition under fully anaerobic condition.

(b) Leaching - Water soluble inorganic nutrient rise to the top layers of soil.

(c) Fragmentation - Carried out by organisms such as earthworms

(d) Humification - Leads to the accumulative of a dark coloured substance humus which undergoes microbial action in a very fast rate

38) Given below is a simplified model of phosphorous cycling in a terrestrial ecosystem with four blanks (A- D). Identify the blanks



(a)

A	B	C	D
Rock minerals	Detritus	Litter fall	producers

(b)

A	B	C	D
Litter fall	Producer	Rock minerals	Detritus

(c)

A	B	C	D
Detritus	Rock minerals	Producers	Litter fall

(d)

A	B	C	D
Producers	Litter fall	Rock minerals	Detritus

39) Of the total incident solar radiation the proportion of PAR is

(a) More than 80% (b) About 70% (c) About 60% **(d) Less than 50%**

40) About 70% of the total global carbon is found in

(a) Forests (b) Grasslands (c) Agro ecosystems **(d) Oceans**

41) The UN Conference of Parties on climate change in the year 2012 was held at

(a) Lima (b) Warsaw (c) Durban **(d) Doha**

42) Which of the following are most suitable indicators of SO₂ pollution in the environment?

(a) Algae (b) Fungi **(c) Lichens** (d) Conifers

43) Which of the following is not one of the prime health risks associated with greater UV radiations through the atmosphere due to depletion of stratospheric ozone?

(a) Damage to eyes **(b) Increased liver cancer** (c) Increased skin cancerd. (d) Reduced Immune system

44) The ozone of atmosphere in which the ozone layer is present is called

(a) ionosphere (b) mesosphere **(c) stratosphere** (d) troposphere

45) Which one of the following is a wrong statement?

(a) Most of the forests have been lost in tropical areas. **(b) Ozone in upper part of atmosphere is harmful to animals.**

(c) Greenhouse effect is a natural phenomenon. (d) Eutrophication is a natural phenomenon in freshwater bodies.

46) Chipko movement was launched for the protection of

(a) forests (b) livestock (c) wetlands (d) grasslands

47) Common indicator organism of water pollution is

(a) Lemna Pancicostata (b) Eichhornia crassipes **(c) Escherichia coli** (d) Entamoeba histolytica

48) Which country has the greatest contribution for the hole formation in ozone layer?

(a) Russia (b) Japan (c) USA (d) Germany

- 49) A natural phenomenon responsible for heating earth's surface is
- (a) Global warming **(b) Green house effect.** (c) Ozone depletion. (d) Deforestation
- 50) Which one is the green house gas?
- (a) Nitrous oxide.** (b) sulphur dioxide. (c) Carbon monoxide. (d) Acetylene