

CBSE

BIODIVERSITY AND CONSERVATION WS 1

Class 12 - Biology

20. Gene flow i.e. movement of genes will: [1]

- a) Increase impact of natural selection
- b) Homogenized population
- c) Disturbs and decreases genetic variation
- d) Population degradation

21. Which one of the following is related to ex-situ conservation of threatened animal and plants? [1]

- a) Wildlife Safari Parks
- b) Biodiversity hotspots
- c) Amazon rainforest
- d) Himalayan region

22. The extinction of passenger pigeon was due to: [1]

- a) Bird flu virus infection
- b) Non-availability of the food
- c) Increased number of predatory birds
- d) Over exploitation by humans

23. Which one of the following plants shows a very close relationship with a species of moth, where none of the two can complete its life cycle without the other? [1]

- a) Hydrilla
- b) Banana
- c) Viola
- d) Yucca

24. Conserving biodiversity provides major contribution to economy as: [1]

- a) Ecopurification
- b) Waste decomposition
- c) Climate stabilization
- d) Ecotourism

25. Endemism refers to: [1]

- a) The distribution of species at a cosmopolitan distribution and Distribution of certain species in a restricted area.
- b) Distribution of certain species in a restricted area.
- c) A common feature of all organisms seen in the biosphere.
- d) The distribution of species at a cosmopolitan distribution.

26. The transitional zone between two distinct communities is known as: [1]

- a) Rhizophore
- b) Ecoline
- c) Ecosphere
- d) Ecotone

27. Which of the following is not the importance of biosphere reserves? [1]

- a) Monitoring of development and conservation programme
- b) Conservation of genetic resources, species and ecosystem
- c) Restoring extinct species of plants and animals
- d) Restoration of degraded ecosystems and habitats

28. Rare endangered and endemic taxa can be found intact and flourishing in: [1]

- a) Sacred groves
- b) Oases
- c) Tropical forests
- d) Buffer zone of biosphere reserves

29. Which of the following group exhibit more species diversity? [1]

- a) Gymnosperms
- b) Fungi
- c) Algae
- d) Bryophytes

30. The total number of species, that are known and described range between: [1]
a) 0.5 - 1.0 million b) 1.1 - 1.2 million
c) 2.5 - 3.0 million d) 1.7 - 1.8 million

31. The wildlife (protection) act 1972 was first amended in: [1]
a) 1995 b) 1991
c) 2001 d) 2007

32. The biological control of agricultural pests, unlike chemical control is: [1]
a) Self perpetuating b) Very expensive
c) Toxic d) Polluting

33. Which one is known as the lungs of the planet? [1]
a) Amazon rain forest b) All producers
c) Deciduous forest d) All tropic rain forest

34. If a species experiences a 90 percent decline over 10 years (or three generations), would be classified as: [1]
a) Vulnerable b) Endangered
c) Critically endangered d) Data deficient

35. Which one of the following pairs of geographical areas show maximum biodiversity in our country ? [1]
a) Eastern Ghasts and West Bengal b) Eastern Himalaya and Western Ghats
c) Sunderbans and Rann of Kutch d) Kerala and Punjab

36. Which of the following groups represent features of ex-situ conservation? [1]
a) Examples are botanical gardens and biosphere reserves. b) Conserves plant germplasm and allows people participation.
c) Costly, allows captive breeding and preserves recalcitrant seeds. d) Cheaper, allows captive breeding and preserves recalcitrant seeds.

37. The latitude for temperate zone are. [1]
a) 40° - 60° b) 23.5° - 66.5°
c) 60° - 80° d) 20° - 40°

38. Which of the following regions of our country are known for their rich biodiversity? [1]
a) Western Ghats and Eastern Himalayas b) Trans Himalayas and Deccan Peninsula
c) Western Ghats and Deccan Plateau d) Eastern Ghats and Gangetic Plain

39. The Periyar sanctuary is located in: [1]
a) Tamil Nadu b) Ehrenberg
c) Karnataka d) Kerala

40. The earth summit (1992) was held at: [1]
a) Japan b) Rio-de Janeiro
c) South Africa d) Johannesburg

41. Vulnerable species are those species: [1]

- a) Presently the population is sufficient but is undergoing depletion.
- b) Presently the population is sufficient and stable.
- c) Presently population is insufficient and undergoing depletion.
- d) Presently population is insufficient but undergoing addition.

42. Which of the following is not an invasive alien species in the Indian context? [1]

- a) Eichhornia
- b) Lantana
- c) Parthenium
- d) Cynodon

43. Main cause of extinction of species from tropics is: [1]

- a) Deforestation
- b) Pollution
- c) Afforestation
- d) Soil erosion

44. In which of the following ex-situ conservation is achieved? [1]

- a) Zoological garden
- b) Biosphere reservation
- c) National Park
- d) Sanctuary

45. Commercial latex is obtained from: [1]

- a) Tectona grandis
- b) Acacia arabica
- c) Manihot esculenta
- d) Euphorbiaceae

46. The organisms that have been completely eliminated or died out from earth are called: [1]

- a) Extinct organisms
- b) Endangered species
- c) Vulnerable species
- d) Critically endangered

47. Cleanliness observed by human beings will adversely affect the habitats of: [1]

- a) Decomposers
- b) Scavengers
- c) Secondary consumers
- d) Detritivores

48. Total number of identified biodiversity hot spots in the world is: [1]

- a) 34
- b) 40
- c) 24
- d) 25

49. Select the correct statement about biodiversity _____. [1]

- a) Western ghats have a very high degree of species richness and endemism.
- b) Large scale planning of Bt cotton has no adverse effect on biodiversity.
- c) The desert areas of Rajasthan and Gujarat have a very high level of desert animal species as well as numerous rare animals.
- d) Conservation of biodiversity is just a fad pursued by the developed countries.

50. Identify the odd combination of the habitat and the particular animal concerned: [1]

- a) Rann of Kutch - Wild ass
- b) Sunderbans - Bengal tiger
- c) Dachigam National Park - Snow leopard
- d) Periyar - Elephant

61. Androgenic haploids are used for: [1]

- a) Knowing effect of all genes.
- b) Preparation of homozygous diploids.
- c) Induction of mutations.
- d) Raising stock for micropropagation.

62. What is keystone species? [1]

- a) A species which makes up only a small proportion of the total biomass of a community, yet has a huge impact on the community organization and survival.
- b) A dominant species that constitutes a large proportion of the biomass and which affects many other species.
- c) A common species that has plenty of biomass, yet has fairly low impact on the community's organization.
- d) A rare species that has minimal impact on the biomass and on other species in community.

63. Which one is hot spot of bio-diversity? [1]

- a) Aravalli Hills
- b) Eastern Ghats
- c) Western Ghats
- d) Indogangetic plain

64. India has only 2.4% of the world's land area but its share of the global species diversity is: [1]

- a) 8.1 %
- b) 5.1 %
- c) 1.8 %
- d) 3.1 %

65. Buffer zone in biosphere reserve is zone for: [1]

- a) Forestry
- b) Agriculture
- c) Tourism and restoration
- d) Research and education

66. Dodo is [1]

- a) extinct
- b) critically endangered
- c) endangered
- d) rare

67. Which of the following are also called lungs of our planet? [1]

- a) Amazonian rain forests
- b) Mediterranean Basin
- c) Western Ghats
- d) Himalayas

68. The worst threat to wildlife is by: [1]

- a) Exotic species
- b) Overgrazing
- c) Hunting
- d) Habitat destruction

69. The taxon facing a very high risk of extinction in the wild and can become extinct any moment in the immediate future are called _____. [1]

- a) Vulnerable
- b) Date deficient
- c) Critically endangered
- d) Endangered

70. Threatened species list includes: [1]

- a) Only critically endangered and endangered species.
- b) Only vulnerable and lower risk species.

c) Only critically endangered species. d) Critically endangered, endangered, vulnerable.

71. Select the group which represents only critically endangered species (as per 2008 red list). [1]

a) Cross River Gorilla, Arctic fox, Mountain Gorilla and Amur leopard b) African elephant, Red Panda, Polar Bear, and Giant panda

c) Giant panda, Loggerhead turtle, Snow Leopard, and Leatherback turtle d) Amur Leopard, Cross River gorilla, Hawksbill turtle, and Leatherback turtle

72. Which animal is the symbol of the World Wildlife Fund? [1]

a) Tiger b) Horn bill

c) White bear d) Red Panda

73. Conservation within the natural habitat is: [1]

a) Exsitu conservation b) Insitu conservation

c) Invivo conservation d) Exvivo conservation

74. Among the ecosystem mentioned below, where can one find maximum biodiversity? [1]

a) Desert b) Coral reefs

c) Alpine meadows d) Mangroves

75. Which one of the following fish is introduced in India by foreigners? [1]

a) Clarius betrachus b) Pomphret

c) Labeo rohita d) Mystus singhala