

FBQ1: Genetic diversity refers to the variation of genes within \_\_\_\_\_

Answer: \*Species\*

FBQ2: The pool of genetic variation present in a(an) \_\_\_\_\_ population is shaped by selection.

Answer: \*Interbreeding\*

FBQ3: Species diversity refers to variety of \_\_\_\_\_

Answer: \*Species\*

FBQ4: Other factors which are generally believed to influence diversity on land are rainfall patterns and \_\_\_\_\_ levels.

Answer: \*Nutrient\*

FBQ5: In the natural state, ecological processes such as energy flows and water cycles are \_\_\_\_\_

Answer: \*Conserved\*

FBQ6: The direction of fixed-length transect lines should usually be \_\_\_\_\_ allocated

Answer: \*Randomly\*

FBQ7: To maximise the benefits of stratification, the site should be subdivided in such a way that, it \_\_\_\_\_ the within-stratum variability in the attribute being measured.

Answer: \*Minimizes\*

FBQ8: Multistage sampling is also known as multi-level sampling or \_\_\_\_\_

Answer: \*sub-sampling\*

FBQ9: In order to determine the optimum number of major and minor units to sample, some \_\_\_\_\_ of the two variances and of the relative cost of sampling at the two stages is required

Answer: \*Knowledge\*

FBQ10: Adaptive sampling involves selecting an initial random or \_\_\_\_\_ sample

Answer: \*Systematic\*

FBQ11: Knowledge of the history of biodiversity is derived from two primary sources. The first is analysis of data from fossil record, and the second is analysis of \_\_\_\_\_

Answer: \*molecular data\*

FBQ12: Wetlands and forests act as water purifying systems, while mangroves trap silt, reducing impacts on marine \_\_\_\_\_

Answer: \*Ecosystems\*

FBQ13: The soil's nutrient status is replenished by dead or waste matter which is transformed by \_\_\_\_\_

Answer: \*Microorganisms\*

FBQ14: Wetlands have qualities that are particularly well suited to breaking down and absorbing \_\_\_\_\_

Answer: \*Pollutants\*

FBQ15: Australia has 15 of the world's 16 species of wild \_\_\_\_\_

Answer: \*soya bean\*

FBQ16: Antibiotics are derived from \_\_\_\_\_

Answer: \*Microorganisms\*

FBQ17: Prostaglandin E2 which could be important in the treatment of gastric ulcers was originally discovered in the two species of gastric brooding \_\_\_\_\_

Answer: \*Frogs\*

FBQ18: Biological diversity conservation can be grouped into ecosystem services, biological resources and \_\_\_\_

Answer: \*social benefits\*

FBQ19: Biological diversity conservation can contribute to the conservation of Aboriginal \_\_\_\_ identity

Answer: \*Cultural\*

FBQ20: Most extinction over the past several hundred years are mainly due to over-harvesting for food, fashion and \_\_\_\_

Answer: \*Profit\*

FBQ21: The more for bidding, tropical humid forests came under attack mainly in \_\_\_\_ century

Answer: \*Twentieth\*

FBQ22: Domino effects occur when the removal of one species or addition of one species affects the entire \_\_\_\_ system

Answer: \*Biological\*

FBQ23: Pollution from chemical contaminants certainly poses a further threat to species and \_\_\_\_

Answer: \*Ecosystems\*

FBQ24: Green plants and photosynthesis bacteria need light to manufacture their \_\_\_\_

Answer: \*Food\*

FBQ25: Light intensity and quality affects photosynthesis, flowering and \_\_\_\_ of plants

Answer: \*Germination\*

FBQ26: A photographic light meter is used to measure \_\_\_\_

Answer: \*light intensity\*

FBQ27: Temperature variations influence the distribution of organisms more in terrestrial habitats that \_\_\_\_ habitats

Answer: \*Aquatic\*

FBQ28: On the surface of the earth, atmospheric pressure varies with \_\_\_\_

Answer: \*Altitude\*

FBQ29: Rainfall occurs due to interchange of water between earth's surface and the \_\_\_\_

Answer: \*Atmosphere\*

FBQ30: In hydrologic cycle, the two important things are precipitation and \_\_\_\_

Answer: \*Evapotranspiration\*

FBQ31: Different regions of the earth receive different quantity of rain-fall depending upon the geographical features and the availability of moisture landen \_\_\_\_

Answer: \*Winds\*

FBQ32: Humidity is the amount of \_\_\_\_ in the atmosphere

Answer: \*water vapour\*

FBQ33: Salinity can be determined by calculating percentage of salts on water or by \_\_\_\_ method.

Answer: \*acid-base titration\*

FBQ34: The burning of hydrocarbons and coal due to human activity has led to a massive increase in \_\_\_\_ concentrations

Answer: \*Greenhouse gas\*

FBQ35: Diversity in land ecosystems generally \_\_\_\_ with increasing altitude

Answer: \*Decreases\*

Multiple Choice Questions (MCQs):

MCQ1: Measures of species diversity that simplify information on species richness and relative abundance into a single index are in \_\_\_\_ use

Answer: intensive

MCQ2: \_\_\_\_ is generally regarded to be the most appropriate to consider the diversity between organisms

Answer: evolutionary mechanisms

MCQ3: Species per unit area are found more in \_\_\_\_ regions

Answer: polar

MCQ4: \_\_\_\_ of all fossil species are marine animals

Answer: 100%

MCQ5: Comparison of molecular data for different organisms enables the generation of branching trees representing hypotheses of their pattern of \_\_\_\_ relatedness

Answer: phylogenetic

MCQ6: Molecular data suggest that primates diverged from other \_\_\_\_ mammals

Answer: evolutionary

MCQ7: The accuracy of first appearances estimated from molecular evidence rests on the interpretation of the \_\_\_\_ data

Answer: molecular convergence

MCQ8: Grevillea "Robyn Gordon" can be used for \_\_\_\_

Answer: prostaglandin E2

MCQ9: Social benefits of biological diversity conservation exclude \_\_\_\_

Answer: Recreation

MCQ10: The seeds of pigweed commonly eaten by Aboriginal peoples contain \_\_\_\_ protein

Answer: 20%

MCQ11: An example of factors affecting the extinction of biodiversity is \_\_\_\_

Answer: Cultural extinction

MCQ12: Habitat damage especially the conversion of forested land to agriculture began in china about \_\_\_\_ years ago

Answer: 400

MCQ13: The original extent of tropical rain forests was \_\_\_\_square km

Answer: 15 million

MCQ14: The most important factor in the projected extinction crisis is \_\_\_\_

Answer: Over-hunting

MCQ15: A keystone species is one whose influence is \_\_\_\_ great.

Answer: proportionately

MCQ16: Factors that affect the extension of biodiversity are \_\_\_\_ except

Answer: pollution

MCQ17: The distribution of species is largely determined by \_\_\_\_

Answer: pollution

MCQ18: \_\_\_\_ is not an environmental factor that influences the distribution and abundance of biodiversity

Answer: Light

MCQ19: Light affects living things in terms of intensity, quality and \_\_\_\_

Answer: quantities

MCQ20: Light intensity and quality affect migration, hibernation and \_\_\_\_ of animals

Answer: reproduction

MCQ21: A seechi disc is use to measure \_\_\_\_ in water

Answer: light intensity

MCQ22: Hydrologic cycle is \_\_\_\_

Answer: water degeneration

MCQ23: A wind vane is used to \_\_\_\_

Answer: measure the speed of wind

MCQ24: Salinity refers to \_\_\_\_

Answer: sanctification of water

MCQ25: pH is the measure of \_\_\_\_

Answer: physical health of animals

MCQ26: The greater the biodiversity, the \_\_\_\_ the biomass

Answer: lesser

MCQ27: Sustainability of an ecosystem is the \_\_\_\_

Answer: ability of that ecosystem to maintain its structure and function over time

MCQ28: In-situ conservation means \_\_\_\_

Answer: the conservation of species in an artificial habitats

MCQ29: \_\_\_\_ is not a method of biodiversity conservation.

Answer: Wild life sanctuary

MCQ30: Conservation of 'wild nature' for posterity and as a symbol for national pride is a characteristic of \_\_\_\_

Answer: wildlife sanctuary

MCQ31: A natural area reserved by a governmental or private agency for the protection of particular species is referred to as \_\_\_\_

Answer: Wildlife sanctuary

MCQ32: Seed banking is a valuable conservation tool that enables the long-term storage of \_\_\_\_ diversity of a large number of plant species

Answer: bio

MCQ33: Steps in seed banking include: collecting, drying, cleaning, testing viability and \_\_\_\_

Answer: burning

MCQ34: Living organisms must develop necessary physiological and \_\_\_\_ adaptations to cope with extremes of temperatures.

Answer: behavioural

MCQ35: We find evergreen forests in tropical regions due to heavy \_\_\_\_ throughout the year

Answer: sunshine