

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 in required

Answer: \*Knowledge\*

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

Answer: \*Systematic\*

FBQ11: Knowledge of the history of biodiversity is derives 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 acts 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 than \_\_\_\_\_ 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