



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Biological Sciences

Class: XI Date: 16.06.2020

Ch-1- Science of Life (Types and Significance of Biodiversity) FM: 15

WORKSHEET – 2 (ANSWERS)

(1x15=15)

- i) The total number of known and described species varies from
(1) 1-1.2 million (2) 1.3- 1.5 million **(3) 1.7-1.8 million** (4) 3-4 million
- ii) The term 'biodiversity' was first coined by-
(1) Weismann (2) William Harvey (3) John Cairns **(4) Walter Rosen**
- iii) The approximate percentage of animate on the Earth is
(1) 30% (2) 40% **(3) 70%** (4) 80%
- iv) Which of the following come under the term 'biodiversity'?
(1) Methods of reproduction of organisms (2) Various corals in a coral island
(3) The flowers of different colours in a garden **(4) All of these**
- v) The genes and their alleles present in an organism will constitute-
(1) **Genetic variation** (2) Species diversity (3) Ecosystem diversity (4) All of them
- vi) The number of species per unit area is called
(1) **Species richness** (2) Population (3) Ecosystem (4) All of these
- vii) The origin of new species depends on
(1) Species diversity (2) Species richness **(3) Genetic variation** (4) Ecosystem diversity
- viii) A lot of competitions are observed among the members in
(1) **Alpha diversity** (2) Beta diversity (3) Gamma diversity (4) All of these
- ix) The diversity between communities is also called -
(1) Alpha diversity **(2) Beta diversity** (3) Gamma diversity (4) None of these
- x) The variety of habitats of organisms in a large geographical area is
(1) Alpha diversity (2) Beta diversity **(3) Gamma diversity** (4) None of these
- xi) The loss or extinction of any living organism leads to
(1) Disturbance in food chain (2) Loss of biodiversity (3) Antagonistic to the existence of life forms **(4) All of these**
- xii) Which of the following is used in PCR (Polymerase Chain Reaction) technique?
(1) *Escherichia coli* (2) *Bacillus thuringiensis* **(3) Thermus aquaticus**
(4) *Streptococcus sp.*
- xiii) Which of the following is used for production of transgenic organisms?
(1) **Gene pool** (2) Chromosomes (3) Germplasm (4) Cytoplasm
- xiv) Gamma diversity consists of
(1) Alpha diversity (2) Beta diversity **(3) Both (1) and (2)** (4) None of these
- xv) Which of the following is a measure of the biodiversity?
(1) Species diversity (2) Genetic diversity **(3) Ecosystem diversity** (4) None of these

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