

1. THE LIVING WORLD

2VSAQ+1SAQ [2M+2M+4M] =8 MARKS

FRUIT POINTS

1. **Zoology** (Animal Science) deals with the study of various aspects of different kinds of Animals.
2. **Diversity of Living World (Bio-diversity)** refers to all the diverse plants, animals and micro-organisms present on the Earth.
3. **Taxonomy** deals with identification, nomenclature and classification of organisms.
4. **ICZN** stands for **I**nternational **C**ode of **Z**oological **N**omenclature.
5. **Classification** is the grouping of similar organisms.
6. **Hierarchy of classification:**
(i) Kingdom (ii) Phylum (iii) Class (iv) Order (v) Family (vi) Genus (vii) Species
7. **Species** is the **basic unit** of classification.
8. **Trinomial nomenclature:** Naming of an organism with three words, for genus, species and subspecies is called trinomial nomenclature. **Ex:** Homo sapiens sapiens [IPE]
9. **Tautonymy** is the practice of naming the animals in which the generic name and specific name are the same. **Ex:** Naja naja- The Indian cobra. [IPE]
10. **Histology:** Histology is the study of microscopic structure of different tissues. [IPE]
11. **Biogenesis** is a theory of evolution which says 'life begets life'. [IPE]
12. **Protostomia** are eumetazoans in which the blastopore develops into mouth. [IPE]
Ex: Annelida, Arthropoda, Mollusca
13. **Deuterostomia** are eumetazoans in which anus is formed from or near the blastopore. [IPE]
Ex: Echinodermata, Hemichordata, Chordata
14. The '**evil quartet**' refers to 'four major threats' of biodiversity. They are [IPE]
(i) Habitat loss and fragmentation (ii) Over exploitation.
(iii) Invasion of Alien species (iv) Co-extinctions
15. **Biodiversity hot spot** is a 'Biogeographic region' with a significant reservoir of biodiversity that is under threat of extinction from humans. [IPE]

16. 'Rivet Popper hypothesis' explains the consequences that happen when some species are lost in an ecosystem. [IPE]
17. Phylogenetic system of classification is based on **evolutionary relationships**. [2009 PMT]
18. The Earth Summit held in Rio de Janeiro in 1992 was called for conservation of biodiversity and sustainable utilisation of its benefits. [NEET 2019, Phase II 2023]
19. Housefly belongs to family **Muscidae**. [NEET 2021, Phase II 2023]
20. Taxonomical Hierarchy : Kingdom→ Phylum →Class →Order→ Family → Genus→Species. [NEET 2022]
21. List of endangered species was released by **IUCN**. [NEET 2024]
22. Reductionist biology refers to physico-chemical approach to study and understand living organisms. [NEET 2025]