

Chapter – 11 | Organisms and Populations

QUIZ
PART-01

1. The term "Ecology" was first coined by:

- A. Odum
- B. Ernst Haeckel
- C. Darwin
- D. Mendel (B)

Explanation : Ernst Haeckel coined the term ecology in 1866.

2. The word "Ecology" is derived from the Greek word:

- A. Logos
- B. Bios
- C. Oikos
- D. Ethos (C)

Explanation : The word ecology comes from the Greek word Oikos, which means habitat or house.

3. According to Odum (1965), ecology is the study of:

- A. Only individual organisms
- B. Structure and function of ecosystems
- C. Only animal behavior
- D. Only plant growth (B)

Explanation : Odum defined ecology as the branch of biology in which the structure and function of ecosystems are studied.

4. A population is a group of organisms of:

- A. Different species living together
- B. Same species living in a particular geographical area at a given time
- C. Only plants living together
- D. Only animals living together (B)

Explanation : A population consists of organisms of the same species living together in a specific geographical area at a given time.

5. Individuals of a population are formed through:

- A. Photosynthesis
- B. Respiration
- C. Reproduction (interbreeding)
- D. Migration only (C)

Explanation : Individuals of a population are formed through reproduction (interbreeding).

6. Which of the following is a population attribute?

- A. Height of an individual
- B. Birth rate
- C. Eye colour of an individual
- D. Weight of an organism (B)

Explanation : Population attributes include birth rates, death rates, sex ratio, age pyramid, and population density.

7. Natality refers to:

- A. Per capita births in a population
- B. Per capita deaths in a population
- C. Number of species in an ecosystem
- D. Movement of organisms (A)

Explanation : Natality (birth rate) refers to per capita births and represents changes in population numbers through reproduction.

8. Mortality in a population refers to:

- A. Per capita birth
- B. Per capita death
- C. Migration rate
- D. Growth rate (B)

Explanation : Mortality (death rate) refers to per capita deaths in a population.

9. The ratio of males and females in a population is called:

- A. Age pyramid
- B. Population density
- C. Sex ratio
- D. Natality (C)

Explanation : Sex ratio represents the ratio of males and females in a population.

10. The structure obtained by plotting age distribution of a population is called:

- A. Food chain
- B. Age pyramid
- C. Ecological pyramid
- D. Population curve (B)

Explanation : The age distribution of individuals in a population, when plotted, forms an age pyramid.