

Biodiversity, Ecology & Social science.

1. The period “Decade on Biodiversity” is declared by UN between

- A.2001-2011
- B.2011-2020
- C.2010-2020
- D.2000-2009

2. The two most important climatic factors affecting the distribution of world biomes are

- A. Temperature and precipitation
- B. Latitude and temperature
- C. Altitude and temperature
- D. Humidity and precipitation

3. Which of the following types of remote sensing would be best suited for locating deforestation?

- A. Thermal Infra red
- B. Sonar
- C. Microwave
- D. Colour Infra red

4. NDVI stands for

- A. Numerically Derived Vegetation Index
- B. Nominal Definition of Vegetation Index
- C. Normalized Difference Vegetation Index
- D. All of the above

5. Who proposed the chemical evolution of life?

- A.Darwin
- B.Oparin
- C.Lamarck
- D.Herschel

6. Allyl propyl disulphide is present in

- A. Chilli
- B. Onion
- C. Radish
- D. Cabbage

7. Energy flow in an ecosystem is

- A. Unidirectional
- B. Bidirectional
- C. Multidirectional
- D. Semidirectional

8. The term rhizosphere was coined by

- A. Hiltner
- B. Robert Hook
- C. Louis Pasteur
- D. None

9. Gas having highest green house effect per unit molecular weight basis

- A. CO₂
- B. CH₄
- C. O₂
- D. N₂O

10. A Kilobase (kb) is a unit of measurement in molecular biology equal to

- A. 10000 base pairs of DNA or RNA.
- B. 1000 base pairs of DNA or RNA.
- C. 2000 base pairs of DNA or RNA.
- D. 500 base pairs of DNA or RNA.

11. The area of sociology that covers the size, composition and distribution of population is called

- A. Anthropology
- B. Environmental Sociology
- C. Demography
- D. Geography

12. Which of the following is true about anthropological fieldwork?

- A. Basic Observations are made
- B. Data is collected
- C. Ideas about humans are tested
- D. All the above

Research Methodology

13. Which of the following is the most read page of a thesis?

- A. Title page
- B. Table of contents
- C. Abstract
- D. Research Design

14. When a research problem is related to heterogeneous population, the most suitable sampling method is

- A. Cluster Sampling
- B. Stratified Sampling
- C. Convenient Sampling
- D. Lottery Method

15. One of the following search engine is exclusively meant for scientific information ?

- A. SCIRUS
- B. Yahoo
- C. Google
- D. Altavista

16. Inverse of a matrix A is

- A. Adjoint A / Determinant A
- B. Determinant A / Adjoint A
- C. Cofactor of A / determinant A
- D. Determinant A / Co factor of A

17. Which of the following is a primary source of data ?

- A.Observation
- B.Publication of state/central govt.
- C.Foreign bodies/ agencies
- D.All the above

General Knowledge

18.The First Leader of the Opposition of Independent India

- A.Ayillyath Kuttiari Gopalan
- B.M. N. Kaul
- C.M. A. Ayyangar
- D.None of the above

19. A member who is elected for a full term serves for a *period* of

- A.Six years
- B.Five years
- C.Four years
- D.None

20. National Institute for Research in Environmental Health is situated at

- A. New Delhi
- B. Alleppey
- C. Bhopal
- D. Bengaluru