

Chapter – 2 | Biological Classification

QUIZ PART-09

1. Viroids were discovered by:

- A. W.M. Stanley
- B. T.O. Diener
- C. M.W. Beijerinck
- D. Dmitri Ivanovsky (B)

Explanation : T.O. Diener discovered a new infectious agent called viroids in 1971.

2. Viroids are smaller than:

- A. Bacteria
- B. Fungi
- C. Viruses
- D. Plants (C)

Explanation : Viroids are infectious agents smaller than viruses and cause diseases in plants.

3. Potato spindle tuber disease is caused by:

- A. Virus
- B. Viroid
- C. Prion
- D. Bacteria (B)

Explanation : Potato spindle tuber disease is caused by viroids.

4. Viroids contain:

- A. Protein coat and DNA
- B. Single-stranded circular RNA
- C. Double-stranded DNA
- D. RNA and protein coat (B)

Explanation : Viroids contain only a small, low molecular weight, single-stranded circular RNA and lack a protein coat.

5. Viroids cause diseases only in:

- A. Animals
- B. Humans
- C. Plants
- D. Bacteria (C)

Explanation : According to the PDF, viroids cause diseases only in plants.

6. Prions are:

- A. Infectious RNA molecules
- B. Abnormally folded proteins
- C. DNA viruses
- D. Bacterial cells (B)

Explanation : Prions are infectious factors made of abnormally folded proteins and are shaped like viruses.

7. Bovine Spongiform Encephalopathy (BSE) is commonly called:

- A. Mad dog disease
- B. Mad cow disease
- C. Sheep disease
- D. Kuru disease (B)

Explanation : BSE is caused by prions in animals and is commonly called mad-cow disease in cattle.

8. The human variant of Bovine Spongiform Encephalopathy is:

- A. CJD
- B. AIDS
- C. Polio
- D. Influenza (A)

Explanation : Creutzfeldt-Jacob disease (CJD) is the analogous variant of BSE in humans.

9. Lichens are formed by the association of:

- A. Bacteria and fungi
- B. Algae and fungi
- C. Virus and algae
- D. Plants and fungi (B)

Explanation : Lichens are formed when algae and fungi combine together and live in a symbiotic relationship.

10. The fungal component of lichens is called:

- A. Phycobiont
- B. Mycobiont
- C. Autotroph
- D. Heterotroph (B)

Explanation : The fungal component is called mycobiont, while the algal component is called phycobiont.