

Biological Classification

1. **Archaeobacteria differ from eubacteria in:**

- (a) Cell membrane
- (b) Mode of nutrition
- (c) Cell shape
- (d) Mode of reproduction

Answer – C

2. **Viruses have:**

- (a) DNA enclosed in a protein coat
- (b) Prokaryotic nucleus
- (c) Single chromosome
- (d) Both DNA and RNA

Answer – A

3. **In which group of organisms the cell walls form two thin overlapping shells which fit together?**

- (a) Euglenoids
- (b) Dinoflagellates
- (c) Slime moulds
- (d) Chrysophytes

Answer – D

4. **Chrysophytes, Euglenoids, Dinoflagellates, and Slime moulds are included in the kingdom**

- (a) Monera
- (b) Protista
- (c) Fungi
- (d) Animalia

Answer - B

5. **Pick the incorrect statement (2015)**

- A. *Neurospora* is used in the study of biochemical genetics
- B. *Penicillium* is multicellular and produces antibiotics
- C. Yeast is unicellular and used in fermentation
- D. Morels and truffles are poisonous mushrooms

Answer - D

6. **Pick the correct combination of statements (i-iv) regarding characteristics of some entities**

- i. Methanogens are archaeobacteria that produce methane in marshy areas
- ii. Nostoc is a filamentous blue green alga which fixes atmospheric nitrogen
- iii. Chemosynthetic autotrophic bacteria synthesize cellulose from glucose
- iv. Mycoplasma lack a cell wall and can survive without oxygen

These are correct statements (Mains 2010)

- A. (ii) and (iii)
- B. (i), (ii) and (iii)
- C. (ii), (iii) and (iv)
- D. (i), (ii) and (iv)

Answer – D

7. **Another Name of Cyanobacteria**

- a. Blue-green algae
- b. Golden algae
- c. Protists
- d. Slime moulds

Answer – A

8. **What Causes Red Tide?**

- a. Ceratium
- b. Triceratium
- c. Gonyalax
- d. All of these

Answer – C

9. **Linnaeus used which kingdom of classification?**

- a. Artificial system
- b. Natural system
- c. Phylogenetic system
- d. Asexual system

Answer – A

10. **TMV virus was discovered by**

- (A) Pasteur
- (B) S L Miller
- (C) Ivanowsky
- (D) W M Stanley

Answer – C