



**TARGET : NEET (UG) 2024**

**Course : SARANSH (Youtube Live CRASH COURSE)**

**BIOLOGY**

**DPP**

**DAILY PRACTICE PROBLEMS**

**DPP NO. 1**

## **BOTANY : BIOLOGICAL CLASSIFICATION**

### **DPP No. : 1**

- Which among the following are the smallest living cells, known without a definite cell wall, pathogenic to plants as well as animals and can survive without oxygen?
  - (1) Bacillus
  - (2) Pseudomonas
  - (3) Mycoplasma
  - (4) Nostoc
- Pick up the wrong statement:
  - (1) Protista have photosynthetic and heterotrophic modes of nutrition
  - (2) Some fungi are edible
  - (3) Nuclear membrane is present in Monera
  - (4) Cell wall is absent in Animalia
- Nostoc and anaebina special for fix atmospheric nitrogen due to
  - (1) Heterocysts
  - (2) holdfast
  - (3) Choanocytes
  - (4) Both 1 and 3
- Which statement is/are wrong with respect to Archaeobacteria.
  - (a) Archaeobacteria differ from other bacteria in having a different cell wall structure.
  - (b) Feature of cell wall is responsible for their survival in extreme conditions.
  - (c) Methanogens are present in the guts of several ruminant animals such as cow & buffalo.
  - (d) These are oldest of the living fossils.
  - (e) Peptidoglycan & muramic acid are present in cell wall
  - (1) a and e
  - (2) b and e
  - (3) a, b and c
  - (4) only e
- Diatoms do not decay easily because
  - (1) they have siliceous walls
  - (2) their body is impervious to water
  - (3) they are chitinous
  - (4) they are abundant in saline soil

6. Which of the following is correct about the slime mould?
- (i) Its thalloid body, *Plasmodium* has pseudopodia for locomotion and engulfing organic matter
  - (ii) During unfavourable conditions *Plasmodium* differentiates and produces fruiting bodies, sporangium
  - (iii) Spores possess no true cell wall
  - (iv) They are dispersed by air current
  - (v) Being extremely resistant, spores survive for many years
  - (vi) *Plasmodium* can grow up to several feet
- Choose the answer from the following options
- (1) (i),(ii),(iv),(v) and (vi)
  - (2) (i),(ii) and (iii)
  - (3) (i),(ii), (iii) and (vi)
  - (4) (ii),(iii) and (vi)
7. Which of the following organisms are known as chief producers in the oceans?
- (1) Dinoflagellates
  - (2) Euglenoids
  - (3) Cyanobacteria
  - (4) Diatoms
8. Which among the following is *not* a prokaryote?
- (1) *Saccharomyces*
  - (2) *Oscillatoria*
  - (3) *Nostoc*
  - (4) *Mycobacterium*
9. Which of the following statements about methanogens is not correct?
- (1) They can be used to produce biogas,
  - (2) They are found in the rumen of cattle and their excreta.
  - (3) They grow aerobically and breakdown cellulose-rich food.
  - (4) They produce methane gas.
10. Which of the following is a correct statement?
- (1) Slime moulds are saprophytic organisms classified under Kingdom Monera.
  - (2) Mycoplasma have DNA, Ribosome and cell wall
  - (3) Cyanobacteria are a group of autotrophic organisms classified under Kingdom Monera.
  - (4) Bacteria are exclusively heterotrophic organisms.