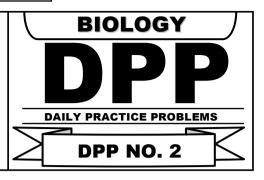
TARGET: NEET (UG) 2024

Course: SARANSH (Youtube Live CRASH COURSE)



BOTANY: BIOLOGICAL CLASSIFICATION

DPP No.: 2

- 1. Read statements A to D
 - (A) Golden Algae are classified under Chrysophytes
 - (B) Gonyaulax & Diatoms are classified under Dinoflagellates
 - (C) In Diatoms the cell wall form thin overlapping shell, which fit together as in soap box
 - (D) Most of the Dinoflagellates have two flagella

How many statements are wrong?

- (1) one
- (2) two
- (3) three

- (4) four
- 2. Which of the following is the correct sequence of 3 steps in the sexual cycle of fungi
 - (1) Mitosis → Meiosis → Fertilization
 - (2) Plasmogamy → Karyogamy → Meiosis
 - (3) Meiosis → Plasmogamy → Karyogamy
 - (4) Karyogamy → Plasmogamy → Meiosis
- **3.** Match the columns and select the correct options.

	Column I	Column II		
(i)	Phycomycetes	(a)	Albugo	
(ii)	Ascomycetes	(b)	Puccinia	
(iii)	Basidiomycetes	(c)	Alternaria	
(iv)	Deuteromycetes	(d)	Neurospora	

(1)	(i)→a	(ii)→d	(iii)→b	(iv)→ c
(2)	(i) →a	(ii) →b	(iii) →c	$(iv) \rightarrow d$
(3)	$\text{(i)} \! \to \! b$	(ii)→ a	(iii) →c	$(iv) \rightarrow d$
(4)	$(i) \rightarrow c$	$(ii) \rightarrow d$	(iii)→ a	$(iv) \rightarrow b$



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- 4. Which of the following is not a feature of euglena
 - (1) Presence of Chl a and Chl b as higher plants
 - (2) Absence of cell wall
 - (3) Presence of sexual reproduction
 - (4) Mixotrophic nutrition
- **5.** Select the wrong statements :
 - (1) W.M. Stanley showed that viruses could be crystallized
 - (2) The term 'contagium vivum fluidum' was coined by M.W. Bejerinek
 - (3) Mosaic disease in tobacco and AIDS in human being are caused by viruses
 - (4) The viroids were dicovered by D.J. Ivanowski
- **6.** What is the characterstic feature of imperfect fungus
 - (1) Absence of true necleus

- (2) Absence of cell wall
- (3) Absence of sexual reproduction
- (4) Absence of fructification

- **7.** TMV has
 - (1) dsDNA + Protein
- (2) ssRNA + Protein
- (3) ssDNA + Protein
- (4) dsRNA + Protein

- 8. Where the basidiospores are formed
 - (1) In basidium (Endogenous)
- (2) On basidium (exogenous)

(3) In basidiocarp

- (4) On basidiocarp
- **9.** Viroids differ from viruses in having
 - (1) DNA molecules with protein coat
 - (2) DNA molecules without protein coat
 - (3) RNA molecules with protein coat
 - (4) RNA molecules without protein coat
- **10.** Select the **wrong** statement:
 - (1) Cell wall is present in members of Fungi and Plantae.
 - (2) Mitochondria are the powerhouse of the cell in all kingdoms except Monera.
 - (3) Pseudopodia are locomotory and feeding structures in Sporozoans.
 - (4) Mushrooms belong to Basidiomycetes.