

MISSION M.B.BS

Date: 15/06/2022

Subject: BOTANY

Topic : BIOLOGICAL
CLASSIFICATION - L4

Class: Standard XI

Instructions:

A

1. Presence of two types of nuclei - micronucleus and macronucleus - is a characteristic of which group of Protista?
 - A. Sporozoa
 - B. Ciliata
 - C. Flagellata
 - D. Sarcodina
2. Unlike other algae, diatoms do not easily decay due to:
 - A. Siliceous wall
 - B. Mucilaginous wall
 - C. Waterproof cell wall
 - D. Calcareous wall
3. The Kingdom Protista includes:
 - A. *Euglena*, Dinoflagellates, Yeast
 - B. *Amoeba*, *Paramoecium*, *Hydra*
 - C. *Euglena*, *Paramoecium*, Mushroom
 - D. *Amoeba*, *Paramoecium*, Dinoflagellates, Diatoms

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4. Marine protozoans do not have contractile vacuole because
 - A. their body cannot accommodate it
 - B. they are hypo-osmotic to their environment
 - C. they are isotonic to their environment
 - D. osmoregulation is done by the cell membrane
5. Which group of Protists are responsible for the formation of diatomaceous earth?
 - A. Chrysophytes
 - B. Dinoflagellates
 - C. Euglenoids
 - D. Slime Moulds
6. *Trypanosoma gambiense* causes
 - A. dysentery
 - B. sleeping sickness
 - C. malaria
 - D. plague
7. Which among the following is not a parasitic protozoan?
 - A. *Plasmodium vivax*
 - B. *Trypanosoma gambiense*
 - C. *Amoeba proteus*
 - D. *Entamoeba histolytica*

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8. Given below is an assertion and reason.

- Both assertion and reason are true and reason is the correct explanation
- Both assertion and reason are true but reason is not the correct explanation
- Assertion is true, but reason is wrong
- Both assertion and reason are wrong

Assertion: Euglena has chlorophyll, a feature similar to plants.

Reason: Euglena cannot be classified on the basis of two kingdom classification.

- A
- B
- C
- D

9. Match the columns.

	Column I	Column II
I.	Chrysophytes	A. <i>Paramoecium</i>
II.	Dinoflagellates	B. <i>Euglena</i>
III.	Euglenoids	C. <i>Gonyaulax</i>
IV.	Protozoans	D. Diatoms

- I-D, II-C, III-B, IV-A
- I-B, II-C, III-A, IV-D
- I-B, II-D, III-C, IV-A
- I-D, II-B, III-C, IV-A

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10. Which one among the following does not belong to Monera?

- A.** Slime molds
- B.** *Mycoplasma*
- C.** Eubacteria
- D.** Archaebacteria