

MISSION M.B.BS

Date: 20/06/2022

Subject: BOTANY

Topic : BIOLOGICAL
CLASSIFICATION - L5

Class: Standard XI

Instructions:

A

1. Which among the following is not a parasitic protozoan?
 - A. *Plasmodium vivax*
 - B. *Trypanosoma gambiense*
 - C. *Amoeba proteus*
 - D. *Entamoeba histolytica*

2. Given below is an assertion and reason.
 - A. Both assertion and reason are true and reason is the correct explanation
 - B. Both assertion and reason are true but reason is not the correct explanation
 - C. Assertion is true, but reason is wrong
 - D. 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. A
- B. B
- C. C
- D. D

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3. *Plasmodium* belongs to

- amoeboid protozoans
- flagellated protozoans
- ciliated protozoans
- sporozoans

4. 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

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

- Slime molds
- Mycoplasma*
- Eubacteria
- Archaeabacteria

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6. Which of the following is the wrong pair?

- A. Spherical bacteria - Coccus
- B. Rod shaped bacteria - Bacillus
- C. T shaped bacteria - Vibrium
- D. Spiral bacteria - Spirillum

7. Biogas is produced by

- A. Eubacteria
- B. Archaeabacteria
- C. Cyanobacteria
- D. *Mycoplasma*

8. Which of the following is not correct?

- A. Cyanobacteria are photosynthetic prokaryotes
- B. Heterocysts are special cells in certain cyanobacteria which function in nitrogen fixation
- C. Heterotrophic bacteria are more abundant than autotrophic bacteria
- D. Citrus canker is caused by a fungus

9. In Whittaker's five kingdom classification, which kingdom is considered as a 'grab-bag' of unnatural assemblage of organisms?

- A. Monera
- B. Protista
- C. Mycota
- D. Animalia

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10. What is the common feature of *Gonyaulax*, *Euglena*, *Amoeba* and *Pinnularia*?

- A.** They show holozoic nutrition
- B.** They show autotrophic nutrition
- C.** They are unicellular and prokaryotic
- D.** They are unicellular and eukaryotic