

PRACTICE

*Session*



# QUESTIONS

Who was the earliest to attempt a more scientific basis for classification?

- a. R.H. Whittaker
- b. Linnaeus
- ✓ c. Aristotle
- d. Bentham and Hooker

(C) Aristotle

## QUESTIONS

Five kingdom classification was based on

- a. Cell structure
- b. Thallus organisation
- c. Chemical nature of cell membrane
- d. All of the above

(D)

(R11 whittaker)

# QUESTIONS

Match the column I and II, and choose the correct combination from the options given.

a	Plantae	1	Cellular
b	Monera	2	Multicellular/Loose Tissue
c	Fungi	3	Tissue/Organ
d	Animalia	4	Tissue/Organ/Organ System
e	Protista	5	Tissue

a. a-4, b-1, c-2, d-3, e-5

☒ b. a-3, b-1, c-2, d-4, e-5

c. a-3, b-2, c-5, d-4, e-1

☐ d. a-3, b-1, c-2, d-4, e-1

#happyfir22

(B)



# QUESTIONS

Among five-Kingdom classification, eukaryotes are placed in how many kingdom(s)?

- a. 2
- b. 3
- ☒ c. 4
- d. 1

(c)

$$5 - 1 = 4$$

## QUESTIONS

Which types of bacteria are responsible for production of biogas?

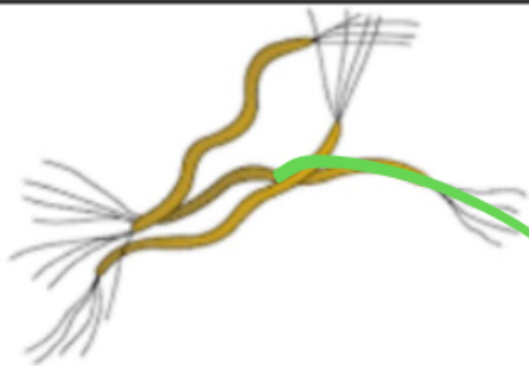



- a. Halophiles
- b. Thermoacidophiles
- c. Methanogens
- d. BGA

(methane producing Bacteria) (Archaeobacteria)  
Location :- Rumen of cattle

# QUESTIONS

Recognise the figure and find out the correct match.

- a. a-iii, b-ii, c-i, d-iv  
b. a-iv, b-i, c-iii, d-ii  
✓ c. a-iii, b-ii, c-iv, d-i  
d. a-iii, b-i, c-iv, d-ii

a.		i.	Bacilli
b.		ii.	Cocci
c.		iii.	Sprilla
d.		iv.	Vibrio

# QUESTIONS

Diatomaceous earth is used as

- a. Polishing
- b. Filtration of oils
- c. Filtration of syrups
- d. All of the above

(D)

# QUESTIONS

Red tide is caused by

- a. Diatoms
- b. Slime moulds
- c. BGA
- d. ✓ Dinoflagellates

(D) Dinoflagellates

# QUESTIONS

Which is the basis of classification of kingdom fungi?

- a. Morphology of mycelium to class
- b. Mode of spore formation
- c. Fruiting body
- d. All of the above

(D)

P  
↓  
Phyco

A  
↓  
Asco

B  
↓  
Basido

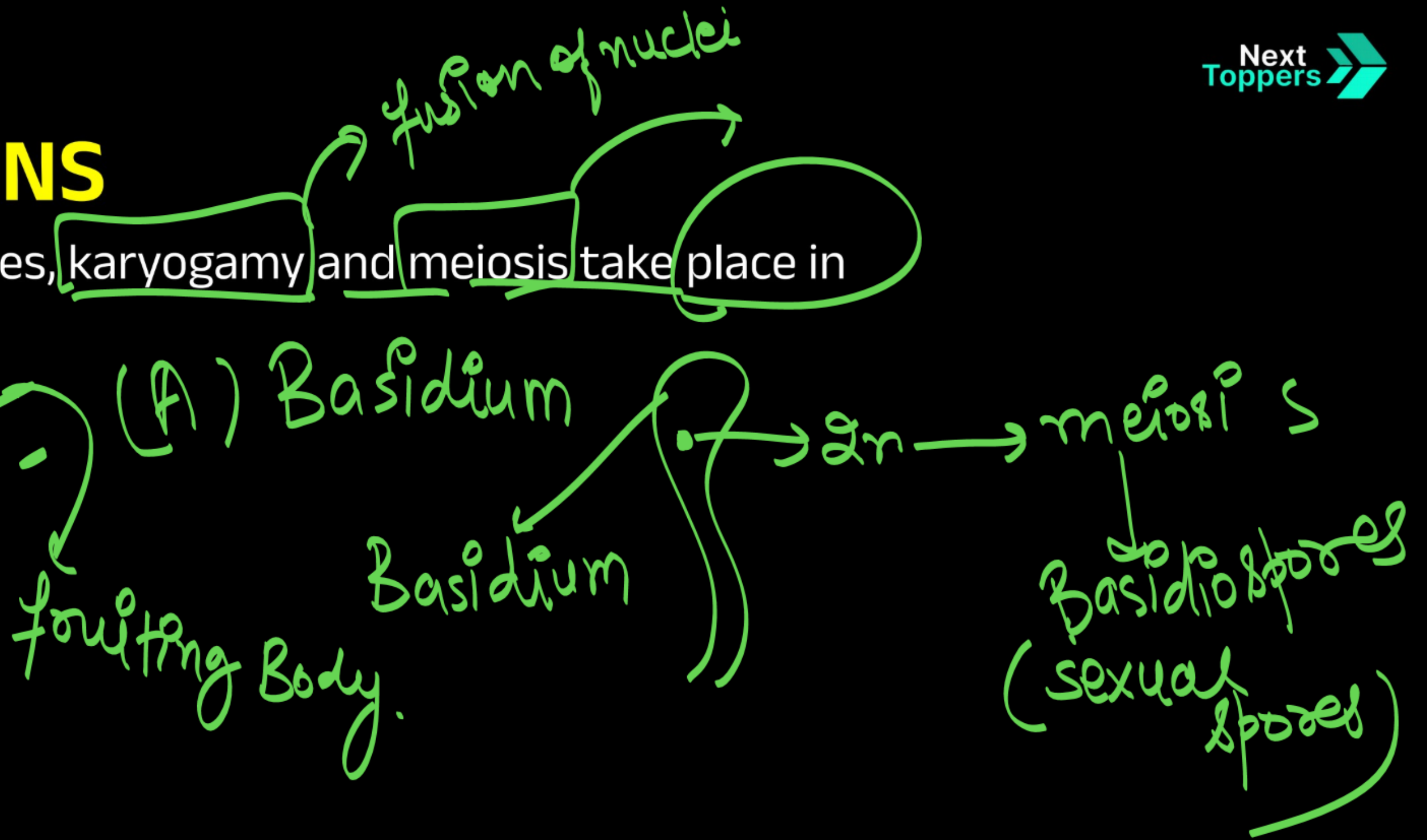
D  
↓



## QUESTIONS

In basidiomycetes, karyogamy and meiosis take place in

- a. Basidium
- b. Basidiocarp
- c. Basidiospore
- d. Dikaryon



## QUESTIONS

Fusion of protoplasts between two fungal gametes is called

- a. Plasmogamy → fusion of protoplasm
- b. Karyogamy → fusion of nuclei
- c. Both (1) and (2)
- d. None of the above

# QUESTIONS

The deuteromycetous fungi reproduce by asexual spore named as

a. Aplanospores

b. Zoospores

c. Ascospores

d. Conidia (D)

# QUESTIONS

The fungus, commonly known as bread mould is

- a. Alternaria
- ✓ b. Rhizopus
- c. Penicillium
- d. Aspergillus

(B)

# QUESTIONS

Viruses cause several diseases in plants and animals. In plants, the symptoms can be

- a. Mosaic formation, dwarfing and stunted growth
- b. Leaf rolling and curling
- c. Yellowing and vein clearing
- d. All of the above

(D)

# QUESTIONS

T.O. Dienner discovered a/an

- a. Free infectious DNA
- b. Infectious protein
- c. Bacteriophage
- d. Free infectious RNA



# QUESTIONS

The subunits of protein coat of viruses are called

- a. Nucleoprotein
- b. Capsid
- c. DNA or RNA
- d. Capsomere

(D)

capsid

# QUESTIONS

Differences between virus and viroid is /are

- a. Absence of protein coat in viroid but present in virus
- b. Presence of low molecular weight RNA in virus but absent in viroid
- c. Both (1) and (2)
- d. None of the above

①

②

# QUESTIONS

Viruses are non-cellular organisms but replicate themselves once they infect the host cell. To which of the following kingdom do viruses belong to?

- a. Monera
- b. Protista
- c. Fungi
- ✓ d. None of the above

(D)

# QUESTIONS

Which one of the following is not a criterion for classification of fungi?

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- a. Morphology of mycelium
- b. Mode of nutrition
- c. Mode of spore formation
- d. Fruiting body

B

# QUESTIONS

Mad cow disease in cattle and Cr Jacob disease in humans are due to infection by \_\_\_\_\_.

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- a. Prion
- b. Bacterium
- c. Virus
- d. Viroid

(A)

# QUESTIONS

Given below are two statements:

Statement I : Mycoplasma can pass through less than 1 micron filter size.

Statement II : Mycoplasma are bacteria with cell wall.

In the light of the above statements, choose the most appropriate answer from the options given below :

- a. Both Statement I and Statement II are correct
- b. Both Statement I and Statement II are incorrect
- c. Statement I is correct but Statement II is incorrect
- d. Statement I is incorrect but Statement II is correct

0.1 - 0.3  $\mu\text{m}$

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Phase 1

9) Absent



# QUESTIONS

Which of the following is a correct statement?

- a. ✓ autotrophic organisms classified under kingdom Monera. A Cyanobacteria are a group of autotrophic organisms classified under Kingdom Monera.
- b. Bacteria are exclusively heterotrophic organisms. ✗
- c. Slime moulds are saprophytic organisms classified under Kingdom Monera. ✗
- d. Mycoplasma have DNA, ribosome and cell wall. ✗

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Phase 1

# QUESTIONS

Which of the following is correct about viroids?

- a. They have free RNA without protein coat
- b. They have DNA with protein coat
- c. They have free DNA without protein coat
- d. They have RNA with protein coat

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Phase 1

# QUESTIONS

After karyogamy followed by meiosis, spores are produced exogenously in

- a. Saccharomyces.
- b. Neurospora
- c. Alternaria
- d. Agaricus

NEET 2018

# QUESTIONS

1. Discuss how classification systems have undergone several changes over a period of time?
2. State two economically important uses of: (a) heterotrophic bacteria (b) archaebacteria
3. What is the nature of cell-walls in diatoms?
4. Find out what do the terms 'algal bloom' and 'red-tides' signify.
5. How are viroids different from viruses?
6. Describe briefly the four major groups of Protozoa.



# QUESTIONS

7. Plants are autotrophic. Can you think of some plants that are partially heterotrophic?
8. What do the terms phycobiont and mycobiont signify?
9. Give a comparative account of the classes of Kingdom Fungi under the following: (i) mode of nutrition (ii) mode of reproduction
10. What are the characteristic features of Euglenoids?
11. Give a brief account of viruses with respect to their structure and nature of genetic material. Also name four common viral diseases.
12. Organise a discussion in your class on the topic – Are viruses living or nonliving?





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