

NDA-CDS

TOP 25 MCQS

PLANT KINGDOM BIOLOGY

SSBCrack
EXAMS



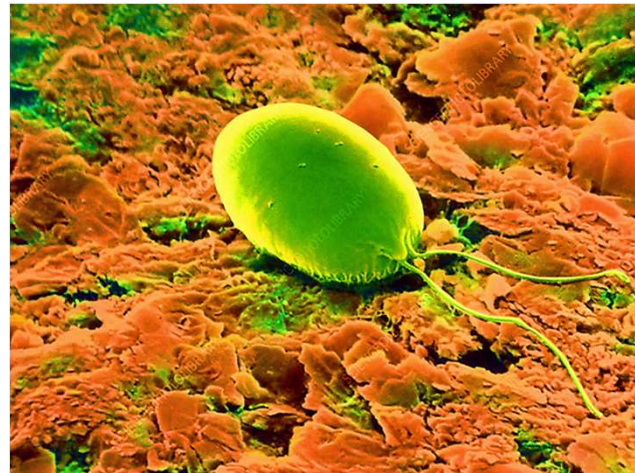
SHIVANGI MA'AM

Which Of The Following Is An Example Of A Green Algae?

- a) Laminaria
- b) Sargassum
- c) Chlamydomonas
- d) Fucus

Which Of The Following Is An Example Of A Green Algae?

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- c) Chlamydomonas**
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Plants Are Divided Into _____ Groups.

a) 6

b) 7

c) 5

d) 4

Plants Are Divided Into _____ Groups.

a) 6

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d) 4

- Plant Kingdom is can be classified into 5 different groups:Thallophyta,Bryophyta,Pteridophyta, Gymnosperms,Angiosperms

_____ **Is A Monocot Plant.**

a) Carrot

b) Daisy

c) Garlic

d) Rose

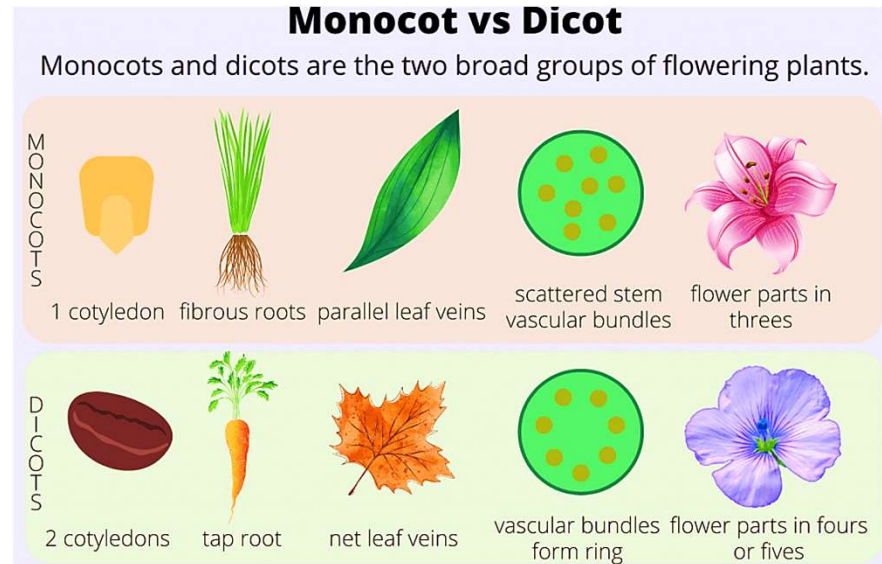
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Which One Of The Following Groups Is Called 'Amphibians Of Plant Kingdom'?

- a) Bryophytes
- b) Thallophytes
- c) Pteridophytes
- d) Gymnosperms

Which One Of The Following Groups Is Called 'Amphibians Of Plant Kingdom'?

a) Bryophytes

b) Thallophytes

c) Pteridophytes

d) Gymnosperms

- These are called amphibians of the plant Kingdom because, these can live in soil, but are dependent on water for sexual reproduction.

Which Of The Following Divisions Of Plants Does NOT Have A Well-differentiated Body?

- a) Bryophyta
- b) Thallophyta
- c) Gymnosperms
- d) Pteridophyta

Which Of The Following Divisions Of Plants Does NOT Have A Well-differentiated Body?

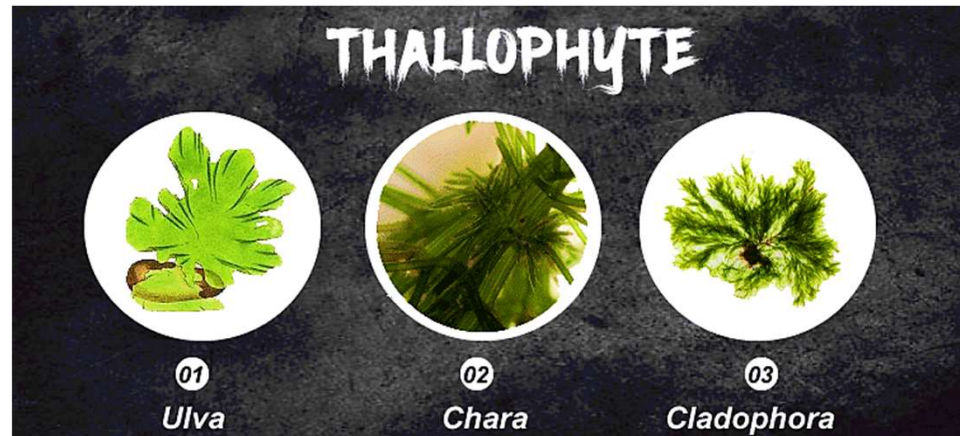
a) Bryophyta

b) Thallophyta

c) Gymnosperms

d) Pteridophyta

- Thallophyta- The plants in this group are commonly called algae.
- The algae reproduce by vegetative, asexual, and sexual methods.
- Vegetative reproduction is by fragmentation.
- Each fragment develops into a thallus.



Which Of The Following Is The Red Algae?

- a) Rhodophyceae
- b) Chlorophyceae
- c) Liverwort
- d) Phaeophyceae

Which Of The Following Is The Red Algae?

a) **Rhodophyceae**

b) Chlorophyceae

c) Liverwort

d) Phaeophyceae

The members of Rhodophyceae algae have both chlorophyll a&b but they also contain the red colored pigment, **phycoerythrin**, which in turn causes red color to reflect back in the visible range when light shines on these algae.

Which Of The Following Is The Basic Unit Of Classification?

- a) Kingdom
- b) Genus
- c) Family
- d) Species

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- Species are the fundamental classification unit .A Species is a group of organisms with similar Morphologies that are capable of Mating.

Peat Moss Is The Common Name Of

- a) Sphagnum
- b) Andria
- c) Polytrichum
- d) Funaria

Peat Moss Is The Common Name Of

a) Sphagnum

b) Andria

c) Polytrichum

d) Funaria

- Peat is a fossil fuel that is obtained from the swamp. The formation of peat takes place by the fossilization of Sphagnum
- Thus, Sphagnum is also called "Peat moss"
- Sphagnum is a member of the class Bryopsida from the group bryophytes



'Nostoc' Is A Type Of:

- a) Blue green algae
- b) Green algae
- c) Brown algae
- d) Red algae

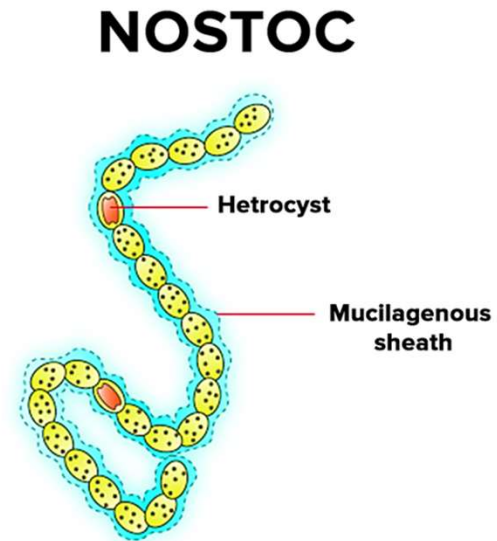
'Nostoc' Is A Type Of:

a) **Blue green algae**

b) Green algae

c) Brown algae

d) Red algae



Consider The Following Functions For Plant Roots:

- A. To give support to the plant
- B. To provide humus
- C. To store food
- D. To absorb water and minerals

The functions of roots are

- a) C and D only
- b) B, C and D
- c) A, C and D
- d) A and B only

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The functions of roots are

- a) C and D only
- b) B, C and D
- c) A, C and D**
- d) A and B only

There are 5 main functions of roots:

1. To anchor the plant in the ground
2. To take in water and minerals
3. To bring water and minerals up to the stems (xylem)
4. To bring dissolved food from the stems to the roots (phloem)
5. To store food.

Biodiesel Is Obtained From Which Of The Following Species Of Plants?

- a) Prosopis Juliflora
- b) Eucalyptus
- c) Jatropha
- d) Linseed

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a) Prosopis Juliflora

b) Eucalyptus

c) Jatropha

d) Linseed

- Jatropha oil has been used in India for several decades as biodiesel for diesel fuel requirements.

Select The Incorrect Statement In Reference To Bryophytes :

- a) Bryophytes are amphibians of plant kingdom.
- b) The independent plant body of bryophytes is the sporophytic generation.
- c) They are non-vascular plants.
- d) They reproduce via spores.

Select The Incorrect Statement In Reference To

Bryophytes :

- a) Bryophytes are amphibians of plant kingdom.
 - b) The independent plant body of bryophytes is the sporophytic generation.**
 - c) They are non-vascular plants.
 - d) They reproduce via spores.
- The sporophyte is not free-living but attached to the photosynthetic gametophyte and derives nourishment from it.

Gemmae Are Present In

- a) Some Liverworts
- b) Mosses
- c) Pteridophytes
- d) Some Gymnosperms

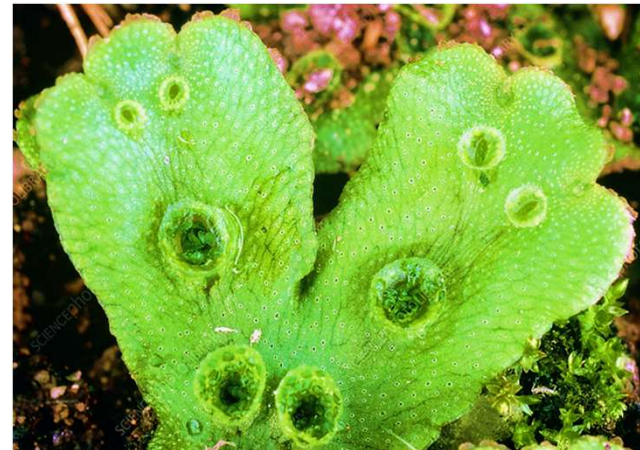
Gemmae Are Present In

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b) Mosses

c) Pteridophytes

d) Some Gymnosperms



Which Is Rootless Fern?

- a) Pteris
- b) Dryopteris
- c) Salvinia
- d) Adiantum

Which Is Rootless Fern?

a) Pteris

b) Dryopteris

- Dryopteris is also called as Brook shield fern'.
- Adiantum is called a walking fern.
- Pteris, commonly known as the Chinese brake.

c) Salvinia

d) Adiantum

The Title 'Club-moss' Is The Common Name For

- a) *Selaginella*
- b) *Lycopodium*
- c) *Equisetum*
- d) *Marsilea*

The Title 'Club-moss' Is The Common Name For

a) *Selaginella*

b) *Lycopodium*

c) *Equisetum*

d) *Marsilea*

- Little club moss - *Selaginella*
- Club Moss - *Lycopodium*

Under The Kingdom Plantae, Which Of The Following Individuals Are Predominantly Aquatic?

- a) Bryophytes
- b) Algae
- c) Pteridophyta
- d) Gymnosperms

Under The Kingdom Plantae, Which Of The Following Individuals Are Predominantly Aquatic?

a) Bryophytes

b) Algae

- Algae belong to the Thallophyta group and are mostly aquatic.
- They have chlorophyll and are phototropic.

c) Pteridophyta

d) Gymnosperms

Mushroom Is A/An

- a) alga
- b) virus
- c) fungus
- d) More than one of the above

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- a) alga
- b) virus
- c) fungus**
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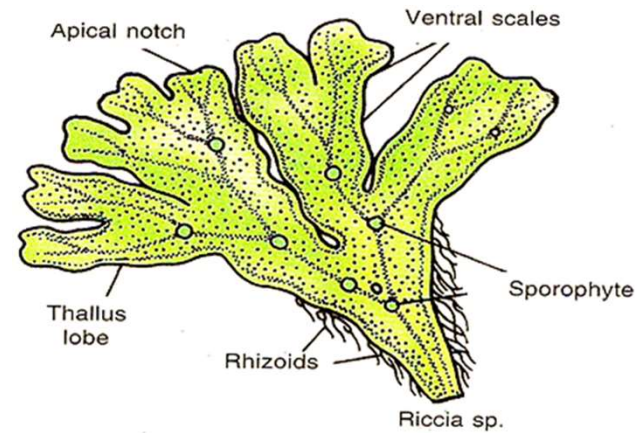


Vascular Bundles Are Not Found In

- a) Gymnosperms
- b) Pteridophytes
- c) Angiosperms
- d) Bryophytes

Vascular Bundles Are Not Found In

- a) Gymnosperms
- b) Pteridophytes
- c) Angiosperms
- d) Bryophytes**



The Transport Of Male Gametes In Bryophytes And Pteridophytes Occurs Through

- a) Wind
- b) Water
- c) Birds
- d) Insects

The Transport Of Male Gametes In Bryophytes And Pteridophytes Occurs Through

a) Wind

b) Water

- The transport of male gametes require water for this reason, it is called 'Amphibians of Plant Kingdom'.

c) Birds

d) Insects

The Cell Wall Of Spirogyra Contains

- a) Cellulose
- b) Chitin
- c) Lignin
- d) Suberin

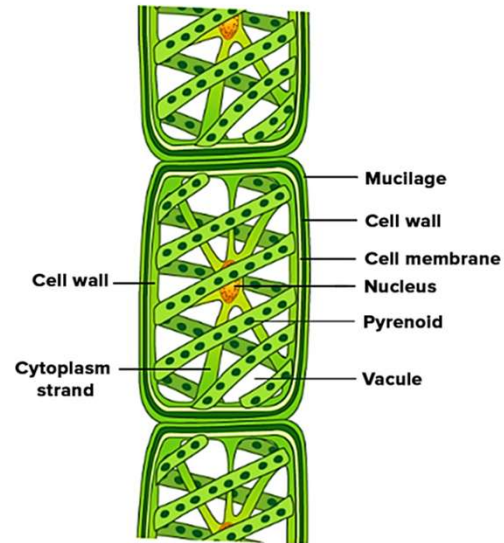
The Cell Wall Of Spirogyra Contains

a) Cellulose

b) Chitin

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Agar is obtained from

- a) Gelidium
- b) Laminaria
- c) Porphyra
- d) Sargassum

Agar is obtained from

a) **Gelidium**

b) Laminaria

c) Porphyra

d) Sargassum

What is agar?

- **Agar** is a gelatinous substance derived from seaweed.
- In the past century agar has been used as a solid substrate to contain culture medium for microbiological work.



Which Of The Following Is A Pteridophyte

a) *Funaria*

b) *Selaginella*

c) *Equisetum*

d) Both b and c are correct

Which Of The Following Is A Pteridophyte

a) *Funaria*

b) *Selaginella*

c) *Equisetum*

d) Both b and c are correct

Chlorophyll A And B Are Found In

a) Rhodophyceae

b) Phaeophyceae

c) Chlorophyceae

d) All of them

Chlorophyll A And B Are Found In

a) Rhodophyceae

b) Phaeophyceae

c) Chlorophyceae

d) All of them

Divisions of Algae and their Main Characteristics						
Classes	Common Name	Major Pigments	Stored Food	Cell Wall	Flagellar Number and Position of Insertions	Habitat
Chlorophyceae	Green algae	Chlorophyll <i>a, b</i>	Starch	Cellulose	2-8, equal, apical	Fresh water, brackish water, salt water
Phaeophyceae	Brown algae	Chlorophyll <i>a, c</i> , fucoxanthin	Mannitol, laminarin	Cellulose and algin	2, unequal, lateral	Fresh water (rare) brackish water, salt water
Rhodophyceae	Red algae	Chlorophyll <i>a, d</i> , phycoerythrin	Floridean starch	Cellulose	Absent	Fresh water (some), brackish water, salt water (most)

Most Primitive Vascular Plants?

(a) Mosses

(b) Cycads

(c) Kelps

(d) Ferns

Most Primitive Vascular Plants?

(a) Mosses

(b) Cycads

(c) Kelps

(d) Ferns



Plants That Possess Spores And Embryo But Lack Vascular Tissues And Seeds?

(a) Rhodophyta

(b) Bryophyta

(c) Pteridophyta

(d) Phaeophyta

Plants That Possess Spores And Embryo But Lack Vascular Tissues And Seeds?

(a) Rhodophyta

(b) Bryophyta

(c) Pteridophyta

(d) Phaeophyta

Bryophytes

- Bryophytes consist of mosses and liverworts
- They are found in moist, damp, humid and shaded localities
- Bryophytes live in soil but are dependent on water for sexual reproduction and are hence called **amphibians of the plant kingdom**
- Bryophytes do not have true roots, stem or leaves. But they are more differentiated than algae
- They look like a thallus and can be prostrate or erect, and attached to the substratum by unicellular or multicellular rhizoids

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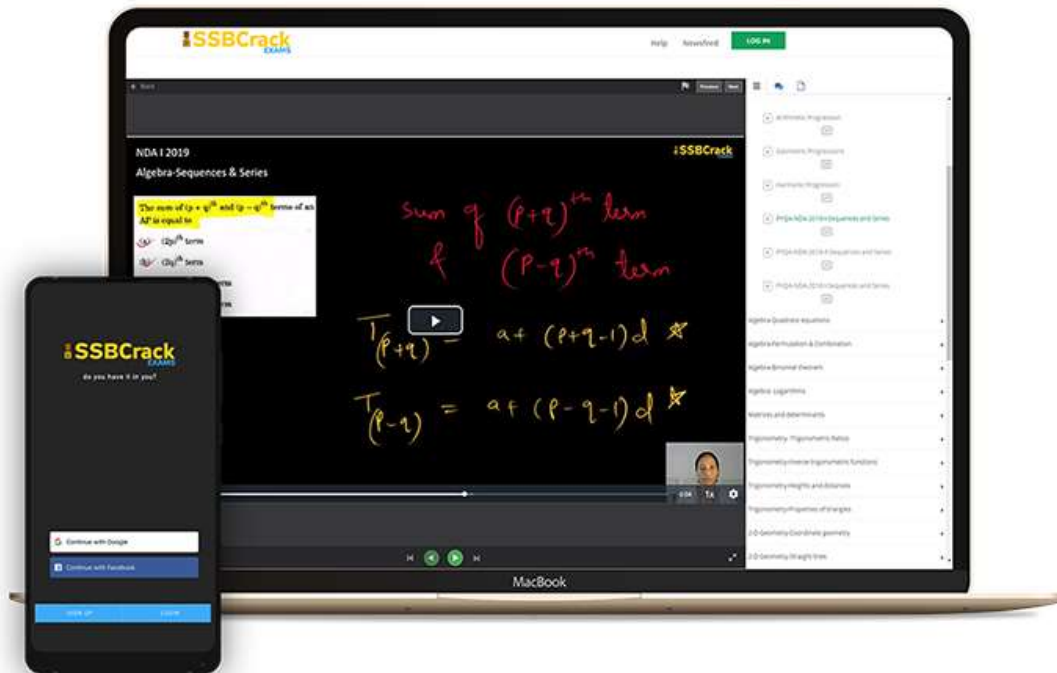
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