

Plant Kingdom

NEET previous year questions · Biology

6 questions from the official papers: NEET 2026 (1), Re-NEET 2026 (2), NEET 2020 (3). Each is followed by its answer and a worked solution written by BrainIt. Generated on 23 October 2026.



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1. NEET 2026 · Q92

In which one of the following, the ovules are not enclosed by an ovary wall and remain exposed?

- | | |
|------------------------|--------------------|
| (1) <i>Funaria</i> | (2) <i>Pinus</i> |
| (3) <i>Selaginella</i> | (4) <i>Wolffia</i> |

Answer (2)

Sol. Naked ovules that are not enclosed within an ovary and remain exposed both before and after fertilisation are the defining feature of gymnosperms. Among the choices, *Pinus* is a gymnosperm (2). *Funaria* is a moss (bryophyte), *Selaginella* is a pteridophyte, and *Wolffia* is a flowering angiosperm whose ovules are enclosed in an ovary.

2. Re-NEET 2026 · Q111

Given below are two statements:

Statement I: In gymnosperms, the male and female gametophytes remain within the sporangia.

Statement II: In gymnosperms, seeds are not covered.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

Answer (1)

Sol. Gymnosperms are heterosporous, and unlike in pteridophytes the gametophytes never become free-living: the reduced male gametophyte stays inside the pollen grain within the microsporangium, and the female gametophyte remains enclosed in the megasporangium (nucellus) on the ovule. The name itself, gymno meaning naked and sperma meaning seed, records the second fact - the ovules sit exposed on the megasporophyll with no ovary wall around

them, so no fruit is formed. NCERT Class 11, Plant Kingdom.

3. Re-NEET 2026 · Q121

Sphenopsida class belongs to _____.

- | | |
|-----------------|-------------------|
| (1) bryophytes | (2) angiosperms |
| (3) gymnosperms | (4) pteridophytes |

Answer (4)

Sol. Pteridophytes are divided into four classes: Psilopsida, Lycopsida, Sphenopsida and Pteropsida. Sphenopsida contains the horsetails, chiefly *Equisetum*, recognised by jointed ridged stems bearing whorls of scale leaves. These are the first vascular land plants, with true xylem and phloem. NCERT Class 11, Plant Kingdom.

4. NEET 2020 · Q44

Which of the following pairs is of unicellular algae?

- (1) *Gelidium* and *Gracilaria*
- (2) *Anabaena* and *Volvox*
- (3) *Chlorella* and *Spirulina*
- (4) *Laminaria* and *Sargassum*

Answer (3)

Sol. *Chlorella* and *Spirulina* are both unicellular algae. *Chlorella* is a green alga, and *Spirulina* is a cyanobacterium, both of which are unicellular. Chapter: Plant Kingdom.

5. NEET 2020 · Q63

Strobili or cones are found in

- | | |
|----------------------|-----------------------|
| (1) <i>Pteris</i> | (2) <i>Marchantia</i> |
| (3) <i>Equisetum</i> | (4) <i>Salvinia</i> |

Answer (3)

Sol. Strobili or cones are found in *Equisetum*, a genus of plants commonly known as horsetails. Chapter: Plant Kingdom.

6. NEET 2020 · Q82

Floridean starch has structure similar to

- (1) Amylopectin and glycogen
- (2) Mannitol and algin
- (3) Laminarin and cellulose
- (4) Starch and cellulose

Answer (1)

Sol. Floridean starch has a structure similar to amylopectin and glycogen, both of which are branched polysaccharides. Chapter: Plant Kingdom.

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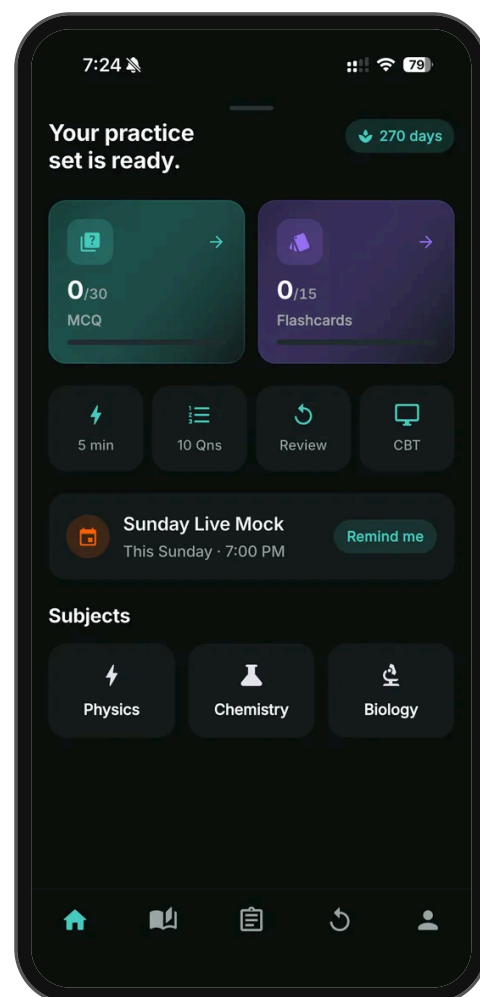
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