

t) Spores produce gametophyte with different genetic combinations

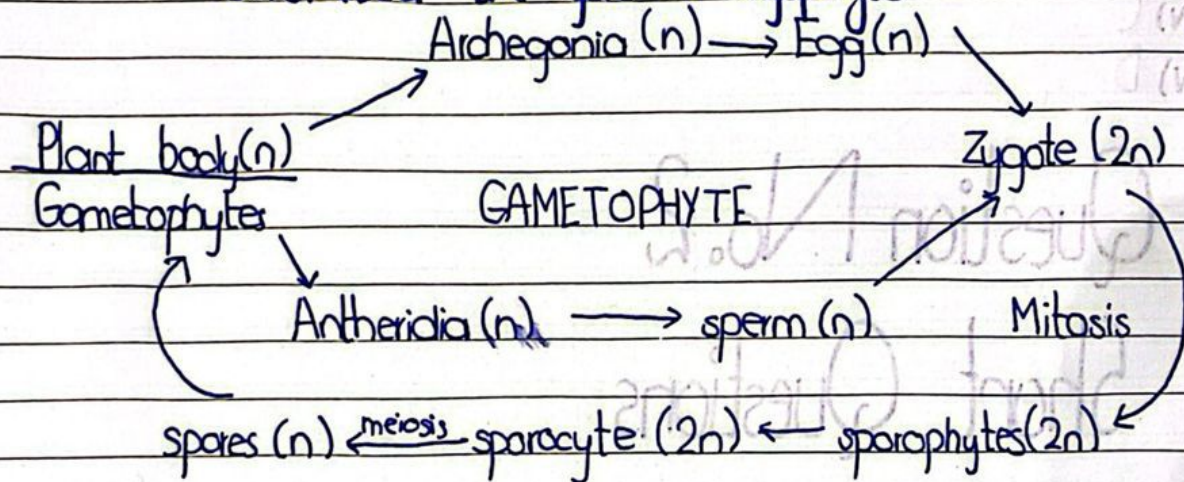
(iii)

Anthrophytes

Plants belonging to sphenopsida group are also called an anthrophytes because the whole plant body is composed of large number of joints.

(iv)

Generalized life cycle of bryophyte



(v)

Hornworts & other bryophytes

Hornworts have many advanced characteristics due to which they can thrive better on land. The sporophytes have stomata and chloroplast in epidermis and can thus photosynthesize their own food rather than taking it from gametophyte.

Question No. 1

MCQ's

- i) A
- ii) A
- iii) A
- iv) C
- v) D

Question No. 2

Short Questions

(i) Amphibians of plants

The bryophytes are said to be amphibians of plants because they cannot live away from water. They need water for reproduction.

(ii) Significance of alternation of generation

- 1) Reshuffling of genes occur
- 2) A great variety of spores with different genetic makeup are produced.
- 3) The gametophytes with less advantageous characteristics will be eliminated.