



LGS GROUP OF COLLEGES

A PROJECT OF LAHORE GRAMMAR SCHOOL

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Subject: Biology

Class: 1st year

Roll No. _____

Test No. WT-5

Date: 22nd Nov, 2024

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D	Marks Obtained
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Subjective Type

Part - I

Question # 1

(1)

Amphibians are those organisms which live on both land and in water. Bryophytes are called amphibians of plant because these plants need both water and soil for their survival.

(2)

Significance of alternation of generation:

Alternation of generations is a life cycle that involves alternating between haploid and diploid organisms and between sexual and asexual reproduction - It's a significant concept in the evolution of plants and is very common in plants, algae and fungi.



(4)

Lifecycle of bryophyte:

The lifecycle of bryophytes, which includes mosses, liverworts and hornworts, is an alternation of two generations with two different physical forms: the sporophyte and the gametophyte -

(5)

Hornworts are considered advanced compared to other bryophytes because they have unique traits including:

- Continuous Growth
- Stomata
- Basal sporophytic meristem
- Asynchronous meiosis
- Symbiotic relationships
- Zygote development

(3)

Sphenopsids are called Arthrophytes because the whole plant body is composed of large number of joint e.g. Equisetum -