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Subject: Biology		Test No.		Date:	

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
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Marks Obtained

Subjective Type

Section - I

Short Answers

(1)

Bryophytes are said to be the amphibians of the plant world because they cannot live away from water. They need water for reproduction.

(2)

[Significance

Alternation of generation is very important phenomenon in the life cycle of plant in which they have morphologically different gametophyte and sporophyte g_j^x which provide continuous genetic variability and selection for the best genetic make up for survival and adaption in the changing environments.

(3)

Sphenopsids:

Sphenopsids are called Arthrophytes because the whole part of plant body is composed of large number of joints.
e.g., Equisetum.

(4)

Life cycle of bryophyte:

The life cycle 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
- Basal sporophytic meristem
- Sybiotic relationship
- Stomata
- Asynchronous meiosis
- Zygote development