Date: __/__/20__

MON TUE WED THS FRI SAT

Mishaal Qamar

1st Year

Biology

Assignment

MCQ's

01

Which of the following is not a character of monocytes?

A- Petal of 5 or multiple of five ✓
B- Single cotyledon
C- Scattered vascular bundle
D- Parallel venation.

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-: 02 :-

Wings are involved in pollination in case of:

A- Fern
B- Gymnosperms
C- Only pinus
D- Angiosperms ✓

-: 03 :-

Ligules are present in:

A- Filicineae
B- Psilopsida ✓
C- Sphenopsida
D- Lycopsida

-: 04 :-

Female gametophyte of angiosperms are composed of:

A- 3 cells
B- 5 cells
C- 7 cells ✓
D- 9 cells

-: 05 :-

Ropes are formed of:

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A- Zea mays
B- Avena stiva
C- Sacc harm munja ✓
D- Sacc harum offici narum

SHORT ANSWER

01

AMPHIBION OF THE PLATS

Brophytes are called amphibians of the plants kingdom because they live on land but require water for reproduction. Their sperms cells need water to swim to the egg of fertilization.

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02

Significance of Alternation of Generation

Alternation of generation ensures genetic diversity & allows plants to alternate between diploid (sporophyte) and haploid (gametophyte) stages.

03

Arthrophytes

Plants of Sphenopsida are called arthrophytes because their stems are

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jointed or segmented, resembling the structure of arthropods limbs.

-: 04 :-

LIFE CYCLE:

-: Haploid Gametophyte :-

produce male (antheridia) and female (archegonia) gametes.

-: Diploid Zygote :-

Fertilization occur in water, forming a diploid zygote.

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SPORO PHYTE:-

The zygote develops into a sporophyte which is attached to the gametophyte.

Gameto PHYTE:-

The sporophytes produces haploid spores through meiosis, which grow into new gametophytes.

OS

HORN WORTS:-

Hornworts are more advanced because:

- Their sporophytes have stomach for gas exchange

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The
sporophyte

The
ploid
meiosis
new

ornworts

- Sporophytes are longlived and capable of photosynthesis, unlike in mosses and live worts.