



**ABHIGYAN  
ACADEMY**

# PYQs on Plant Kingdom



- The seeds of flowering plants are made up of
  - (a) Ovary and ovary wall
  - (b) Embryo, food reserves and coat
  - (c) Cotyledons
  - (d) Zygotes



1. The colourful part of the Sunflower or Marigold plant is

- (a) Flower
- (b) Inflorescence
- (c) Fruit
- (d) Seed



Which one of the following statements about classification of plants is correct ?

- (a) Thallophytes have well differentiated body design
- (b) *Funaria* is a fungus
- (c) All Pteridophytes are Phanerogams
- (d) Vascular system is not found among Bryophytes





Which one of the following is used as a binder in paints ?

- (a) Titanium dioxide
- (b) Novolac
- (c) Phthalocyanine
- (d) Silicones



In a typical flower, germinating pollen grains pass through several parts of the gynoecium before they reach the ovule. A list of the parts of gynoecium is given below in different combinations. Choose the combination that represents the correct sequence of pollen tube pathway/journey :

- (a) Style, Stigma, Ovary
- (b) Stigma, Style, Ovary
- (c) Pistil, Stigma, Ovary
- (d) Ovary, Pistil, Style



During seed germination, the part of the embryo which grows into root is

- (a) Radicle.
- (b) Plumule.
- (c) Cotyledon.
- (d) Epicotyl.





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Which of the following kingdoms has/have only unicellular organisms?

- (a) Monera only
- (b) Protista only
- (c) Monera and Protista both
- (d) Protista and Fungi both





**Statement I :**

Phytoplankton produce most of the organic carbon in the ocean.

**Statement II :**

Algae are produced in the cold water biome.

- (a) Both the statements are individually true and Statement II is the correct explanation of Statement I
- (b) Both the statements are individually true but Statement II is **not** the correct explanation of Statement I
- (c) Statement I is true but Statement II is false
- (d) Statement I is false but Statement II is true



Q. The genetic material of bacteria is found in

- (a) nucleus
- (b) cytoplasm
- (c) cell membrane
- (d) ribosome



Living things are grouped into subgroups like plant kingdom / animal kingdom. Which one of the following is ***not*** correct for animal kingdom?

- (a) Cannot make their own food
- (b) Body contains cellulose
- (c) Do not have chlorophyll
- (d) Migrate from one place to another





6. Which one of the following statements about bryophytes is *not* correct ?

- (a) The plant body is a gametophyte.
- (b) They are also called the amphibians of plant kingdom.
- (c) The plant body is attached to the substratum by rhizoids.
- (d) Specialized water-conducting tissues are present.





5. Which one of the following is *not* a characteristic feature of fungi ?

- (a) Cell wall is made of chitin
- (b) Filamentous mycelium is present
- (c) Can carry out photosynthesis
- (d) Asexual spores are produced



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Relationship between a flower and honey-bee will help the flower for/in

- (a) Faster development
- (b) Pollination
- (c) Quick germination of pollen
- (d) Increase in size



- . In angiosperms, pollen grain germinates to produce two male gametes. Which one of the following functions is carried out by these gametes ?
- (a) Both the gametes fuse with a single egg cell
  - (b) Both the gametes fuse with two different egg cells
  - (c) One gamete fuses with the egg cell and the other one eventually degenerate
  - (d) One gamete fuses with the egg cell and the other one fuses with a diploid secondary nucleus





. Which one of the following is the correct sequence during sexual reproduction in Angiosperms ?

- (a) Egg  $\rightarrow$  zygote  $\rightarrow$  embryo  $\rightarrow$  seed
- (b) Embryo  $\rightarrow$  egg  $\rightarrow$  zygote  $\rightarrow$  seed
- (c) Egg  $\rightarrow$  embryo  $\rightarrow$  zygote  $\rightarrow$  seed
- (d) Egg  $\rightarrow$  seed  $\rightarrow$  zygote  $\rightarrow$  embryo





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Gametophytes of sexually reproducing flowering plants are

- (a) Haploid
- (b) Diploid
- (c) Tetraploid
- (d) Polyploid



. Which one among the following groups is the most abundant in terms of number of species identified?

- (a) Fungi
- (b) Green plants
- (c) Bacteria
- (d) Insects