



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



. 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.



- . 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 1:

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



- . 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



- 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.

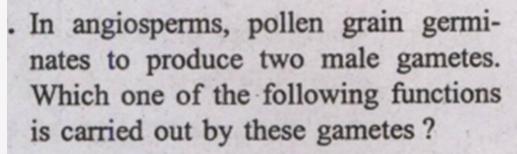


- 5. Which one of the following is not a characteristic feature of fungi?
 - (a) Cell wall is made of chitin
 - (b) Filamentous mycelium is present
 - (c) Can carry out photosynthesis
 - (d) Asexual spores are produced



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



- (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 → zygote → embryo → seed
 - (b) Embryo → egg → zygote → seed
 - (c) Egg → embryo → zygote → seed
 - (d) Egg → seed → zygote → 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