



BIOLOGY

BOOKS - TRUEMAN BIOLOGY

AIPMT-2014 (PLANT PHYSIOLOGY)

Mcqs

1. Geitonogamy involves

A. Fertilization of a flower by the pollen from a flower of another plant belonging to a distant population

B. Fertilization of a flower by the pollen from another flower of the same plant

C. Fertilization of a flower by the pollen from the same flower

D. Fertilization of a flower by the pollen from a flower of another plant in the same population

Answer:



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2. Function of filiform apparatus is to :-

1. Guide the entry of pollen tube
2. Recognize the suitable pollen at stigma
3. Stimulate division of generative cell
4. Produce nectar

A. Guide the entry of pollen tube

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3. A few normal seedlings of tomato were kept in a dark room. After a few days were found to have become white coloured like albinos. Which of the following terms will you use to describe them

A. Defoliated

B. Mutated

C. Embolised

D. Etiolated

Answer:



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4. Pollen tablets are available in the market for

1. Ex situ conservation

2. In vitro fertilization

3. Breeding programmes

4. Supplementing food

A. Ex situ conservation

B. In vitro fertilization

C. Breeding programmes

D. Supplementing food

Answer:



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5. Dr. F. Went noted that if coleoptile tips were removed and placed on agar for one hour, the agar would produce a bending when placed on one side of freshly cut coleoptile stumps. Of what significance is this experiment

A. It demonstrated polar, movement of auxins

B. It made possible the isolation and exact identification of auxin

C. It is the basis for quantitative determination of small amounts of growth-promoting substances.

D. It supports the hypothesis that IAA is auxin

Answer:



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6. The osmotic expansion of a cell kept in water is chiefly regulated by

A. Ribosomes

B. Mitochondria

C. Vacuoles

D. Plastids

Answer:



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7. Which one of the following is wrong about Chara ?

A. Globule is male reproductive structure

B. Upper oogonium and lower round antheridium

C. Globule and nucule present on the same plant

D. Upper antheridium and lower oogonium

Answer:



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8. Deficiency symptoms of nitrogen and potassium are visible first in

A. Buds

B. Senescent leaves

C. Young leaves

D. Roots

Answer:



9. In which one of the following processes CO_2 is not released?

- A. Lactate fermentation
- B. Aerobic respiration in plants
- C. Aerobic respiration in animals
- D. Alcoholic fermentation

Answer:



