



BIOLOGY

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BIOLOGY (HINGLISH)

NCERT Exemplar Questions +1

(ANATOMY OF FLOWERING PLANTS)

Mcqs

1. A transverse section of stem is stained first with safranin and then with fast green following the usual schedule of double staining for the preparation of a permanent slide. What would be the colour of the stained xylem and phloem

- A. Red and green
- B. Green and red
- C. Orange and yellow
- D. Purple and orange

Answer: a



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2. Identify the tissue system from among the following

A. Parenchyma

B. Xylem

C. Epidermis

D. Phloem

Answer: a



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3. Cells of this tissue are living and show angular wall thickening. They also provide mechanical support. The tissue is

A. xylem

B. sclerenchyma

C. collenchyma

D. epidermis

Answer: c



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4. Epiblema of roots is equivalent to

A. pericycle

B. endodermis

C. epidermis

D. stele

Answer: c



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5. A conjoint and open vascular bundle will be observed in the transverse section of

- A. monocot root
- B. monocot stem
- C. dicot root
- D. dicot stem

Answer: d



6. Interfascicular cambium and cork cambium are formed due to

- A. cell division
- B. cell differentiation
- C. cell dedifferentiation
- D. redifferentiation

Answer: a



7. Phellogen and phellem respectively denote

- A. cork and cork cambium
- B. cork cambium and cork
- C. secondary cortex and cork
- D. cork and secondary cortex

Answer: b



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8. In which of the following pairs of parts of a flowering plant epidermis is absent

- A. Root tip and shoot tip
- B. Shoot bud and floral bud
- C. Ovule and seed
- D. Petiole and pedicel

Answer: a



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9. How many shoot apical meristems are likely to be present in a twig of a plant possessing, 4 branches and 26 leaves

A. 26

B. 1

C. 5

D. 30

Answer: c



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10. A piece of wood having no vessels (trachea) must belong to

A. Teak

B. Mango

C. Pine

D. Palm

Answer: c



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11. A plant tissue, when stained , showed the presence of hemicellulose and pectin in cell wall of its cells. The tissue represents

A. collenchyma

B. sclerenchyma

C. xylem

D. meristem

Answer: a



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12. Fibres are likely to be absent in

A. secondary phloem

B. secondary Xylem

C. primary phloem

D. leaves

Answer: d



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13. When we peel the skin of a potato tuber, we remove

A. periderm

B. epidermis

C. cuticle

D. sapwood

Answer: a



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14. A vesselless piece of stem possessing prominent sieve tubes would belong to

A. Pinus

B. Eucalyptus

C. Grass

D. Trochodendron

Answer: d



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15. Which one of the following cells types always divides by anticlinal cell division?

A. fusiform initial cells

B. root cap

C. protoderm

D. phellogen

Answer: d



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16. What is the fate of primary xylem in a dicot root showing extensive secondary growth?

- A. It is retained in the centre of the axis
- B. It gets crushed
- C. May or may not get crushed
- D. It gets surrounded by primary phloem

Answer: a



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