



BIOLOGY

BOOKS - TRUEMAN BIOLOGY

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



Watch Video Solution

2. Match the following and choose the correct option from below

A.	Meristem	i.	Photosynthesis, storage
B.	Parenchyma	ii.	Mechanical support
C.	Collenchyma	iii.	Actively dividing cells
D.	Sclerenchyma	iv.	Stomata
E.	Epidermal tissue	v.	Sclereids

A. A-i, B-iii, C-v, D-ii, E-iv

B. A-iii, B-i, C-ii, D-v, E-iv

C. A-ii, B-iv, C-v, D-i, E-iii

D. A-v, B-iv, C-iii, D-ii, E-i

Answer: b



3. Match the following and choose the correct option from below

A.	Cuticle	i.	guard cells
B.	Bulliform cells	ii.	single layer
C.	Stomata	iii.	waxy layer
D.	Epidermis	iv.	empty colourless cell

A. A-iii, B-iv, C-i, D-ii

B. A-i , B-ii, C-iii, D-iv

C. A-iii B-ii C-iv D-

D. A-iii B-ii C-i D-iv

Answer: a



Watch Video Solution

4. Identify the tissue system from among the following

A. Parenchyma

B. Xylem

C. Epidermis

D. Phloem

Answer: a



Watch Video Solution

5. 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



Watch Video Solution

6. Epiblema of roots is equivalent to

A. pericycle

B. endodermis

C. epidermis

D. stele

Answer: c



Watch Video Solution

7. 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



8. Interfascicular cambium and cork cambium are formed due to

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

Answer: a



9. 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



Watch Video Solution

10. 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



Watch Video Solution

11. 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



Watch Video Solution

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

A. Teak

B. Mango

C. Pine

D. Palm

Answer: c



Watch Video Solution

13. 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



Watch Video Solution

14. Fibres are likely to be absent in

A. secondary phloem

B. secondary Xylem

C. primary phloem

D. leaves

Answer: d



Watch Video Solution

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

A. periderm

B. epidermis

C. cuticle

D. sapwood

Answer: a



Watch Video Solution

16. A vessel less piece of stem possessing prominent sieve tubes would belong to

A. 1)Pinus

B. 2)Eucalyptus

C. 3)Grass

D. 4)Trochodendron

Answer: d



Watch Video Solution

17. 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



Watch Video Solution

18. 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



Watch Video Solution