



BIOLOGY

NEET & AIIMS

MOCK TEST 9

Example

1. ____ roots are found in wheat.

A. Respiratory roots

B. Fasciculated roots

C. Fibrous

D. Tap

Answer: C



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2. Roots arising from lower nodes of stem to support main axis and enter obliquely into the soil are referred as

A. Haustorial roots

B. Epiphyllous roots

C. Stilt roots

D. Contractile roots

Answer: C



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3. Read the following statements w.r.t. functions of the roots. (a) Absorption of water and minerals. (b) Conduct organic substances

to plant parts. (c) Provides anchorage to plant parts. (d) Stores reserve food material. (e) Synthesize plant growth hormones.

- A. (a), (b) & (c)
- B. All except (c) and (d)
- C. All except (b) and (e)
- D. All except (b)

Answer: D



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4. Segment A : The region proximal to region of elongation in a root, bears root hairs.

Segment B : The region distal to region of maturation is responsible for the growth of the root in length.

A. Both statements A and B are incorrect

B. Both statements A and B are correct

C. Only statement A is correct

D. Only statement B is correct

Answer: B



5. Match the following.

a. Floating roots(Coloumn I) - (i)Podostemon(Coloumn II)

b. Assimilatory roots(Coloumn I) - (ii)Cuscuta (Coloumn II)

c. Hygroscopic roots(Coloumn I) - (iii)Bryophyllum (Coloumn II)

d. Haustorial roots(Coloumn I) - (iv)Jussiaea (Coloumn II)

e. Epiphyllous roots(Coloumn I) - (v)Orchids(Coloumn II)

A. a(iii), b(i), c(v), d(ii), e(iv)

B. a(ii), b(i), c(v), d(ii), e(iv)

C. a(iv), b(i), c(v), d(ii), e(iii)

D. a(i), b(ii), c(v), d(iii), e(iv)

Answer: C



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6. Pneumatophores are found in

A. *Ficus benghalensis*

B. Maize

C. Sugarcane

D. Rhizophora

Answer: D



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7. Which of the following root is modified to store food in turnip?

A. Primary tap root

B. Rootlets of tap root

C. Fibrous root

D. Adventitious root

Answer: A



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8. Root hairs are present in

A. Zone of elongation

B. Zone of meristematic activity

C. Root cap

D. Zone of maturation

Answer: D



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9. Which of the following is not the function of stem? (a) Storage of food (b) Provides support (c) Conduction of minerals (d) Vegetative propagation (e) Absorption of minerals

A. All except (e)

B. All except (a) and (b)

C. (d) only

D. (e) only

Answer: D



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10. Select the odd one out w.r.t. sub-aerial weak stem.

A. Offsets

B. Stolons

C. Suckers

D. Tendrils

Answer: D



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11. Branched rhizome is not found in

A. *Zingiber officinale*

B. *Curcuma domestica*

C. Dryopteris

D. Canna

Answer: C



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12. Match the column I with column II and select the correct option. a. Rhizome(Coloumn I) - (i) Lily(Coloumn II) b. Bulb(Coloumn I) - (ii) Gladiolus(Coloumn II) c. Sucker(Coloumn I) - (iii) Grass(Coloumn II) d. Corm(Coloumn I) - (iv)

Curcuma(Coloumn II) e. Runner(Coloumn I) -

(v) Banana(Coloumn II)

A. a(ii), b(i), c(v), d(iv), e(iii)

B. a(iii), b(i), c(iv), d(ii), e(v)

C. a(iv), b(i), c(v), d(ii), e(iii)

D. a(i), b(iv), c(v), d(ii), e(iii)

Answer: C



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13. ___ is elongated, prostrate branch with long internodes and roots at nodes.

A. Offset

B. Stolon

C. Sucker

D. Runner

Answer: D



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14. Statement-A : In some leguminous plants, the leaf base swells and is called pulvinus.
Statement-B : Pulvinus produces a cooling effect in the leaves by bringing fresh air to the leaf surface.

- A. Statement-A is incorrect
- B. Statement-B is incorrect
- C. Both statements A and B are incorrect
- D. Both statements A and B are correct

Answer: B





15. Select the incorrect statement.

- A. In peepal and Luffa, veinlets form a network
- B. Veins provide rigidity and strength to the leaf blade
- C. Leaves originate from the shoot apical meristem

D. Reticulate venation is found in the leaves of banana plant

Answer: C



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16. Read the following statements. (a) Simple leaves have bud on the axis of the petiole. (b) In pinnately compound leaf, the midrib forms a common axis called rachis. (c) Paripinnate leaves are found in Cassia. (d) Tripinnate

leaves are found in Mimosa. Select the correct option.

A. (a), (b) & (c)

B. (b), (c) & (d)

C. (a), (b), (c) & (d)

D. Only (a) & (d)

Answer: A



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