

CONCEPT ACADEMY

“UTSAAH” Test Series

“Live out of your imagination, not your history.” —*Stephen Covey*

Subject –Science VI | OLYMPIADS | RMS | SAINIK SCHOOL | NTSE

Utsaah Test No. 11

Total Marks 45

Time 45 Minutes

Chapter 7- Getting to know plants

NOTE-Paper Contains 20 MCQ, Each carry 2 marks.

There is no negative marking. Q.No. 21 should be solved on the back side of OMR Sheet which Carry 5 marks.

- Which is an example of a shrub?
 - Spinach
 - Mango tree
 - Tomato plant
 - Lemon**

Explanation: Spinach and tomato are herbs while mango is a tree. So lemon is a shrub.

- Which of the following type of plants has thick, hard and woody stem?
 - Tree**
 - Shrub
 - Herb
 - All of these

Explanation: Herb has a soft stem while shrubs have thin stem.

- Which is not a part of a leaf?
 - Petiole
 - Lamina
 - Veins
 - Nodes**

Explanation: Nodes are found on stem.

- parallel venation is not found in
 - sugarcane
 - peepal**
 - maize
 - wheat

Explanation: In peepal, reticulate venation.

- Which one of the following is a function of leaves?
 - Photosynthesis
 - Transpiration
 - Both (a) and (b)**
 - Support fruits
- Leaf venation and type of root is correctly paired in
 - parallel venation, fibrous roots**
 - parallel venation, taproot
 - no relation exists in leaf venation and type of roots
 - reticulate venation, fibrous roots

Explanation: Plants with parallel leaf venation have fibrous roots while plants with reticulate leaf venation have taproots.

- Male reproductive part of flower is
 - sepals
 - petals
 - stamens**
 - pistil
- Which is a correct set of parts of a pistil?
 - Ovary, style and filament

(b) Ovary style and stigma

- (c) Ovary, anther and filament
(d) Filament and anther

9. Which of the following has fibrous root?

- (a) Peas
(b) Wheat
(c) Radish
(d) Neem

Explanation: Wheat roots spread out in the soil.

10. The process of loss of water by a plant through leaves is called

- (a) evaporation
(b) condensation
(c) photosynthesis
(d) transpiration

11. In shrubs, branches arise from the base of the stem.

- (a) True**
(b) False

12. In trees, branches arise from the upper part of stem.

- (a) True**
(b) False

13. All plants have colourful flowers.

- (a) True
(b) False

14. Stem absorbs water and minerals from the soil.

- (a) True
(b) False

15. Roots hold the plant firmly in the soil.

- (a) True**
(b) False

16. Herbs are usually short and sometimes do not have branches.

- (a) True**
(b) False

17. Potatoes and jams are

- (a) Root
(b) Stem
(c) Leaves
(d) Flower

18. Thick vein in the centre of leaf is called ...

- (a) Ribs
(b) Midrib
(c) Limb
(d) None of the above

19. Small fine particles present in the anther are called

- (a) Pistil
(b) Pollen Grains
(c) Pearls
(d) None of the above

20. Leaves manufacture the food in presence of sunlight by the process of transpiration.

- (a) True
(b) False

21. Match the following items given in Column A with that in Column B:

Column A	Column B
(a) Creeper	(i) Absorption of mineral and water.
(b) Herb	(ii) Manufacture food.
(c) Shrub	(iii) Transport food, water and mineral.
(d) Tree	(iv) Reproduction.
(e) Root	(v) Need support to stand up.
(f) Stem	(vi) Hard and thick stem.

(g) Leaf	(vii) Green and tender stem.
(h) Flower	(viii) Hard but thin stem.

Answer:

Column A

Column B

- (a) Creeper (v) Need support to stand up.
(b) Herb (vii) Green and tender stem.
(c) Shrub (viii) Hard but thin stem.
(d) Tree (vi) Hard and thick stem.
(e) Root (i) Absorption of mineral and water.
(h) Stem (iii) Transport food, water and mineral.
(g) Leaf (ii) Manufacture food.
(h) Flower (iv) Reproduction.

Test Series 2022-23

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Foundation Batches 9th to 12th