

CONCEPT ACADEMY

“UTSAAH” Test Series

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

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

Utsaah Test No. 11

Total Marks 45

Time 45 Minutes

Chapter 12- Reproduction in 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.

- Vegetative propagation in potato takes place by
 - leaves
 - stem**
 - root
 - seed
 - In which of the following plants buds are present on the margins of leaves?
 - Bryophyllum**
 - Touch me not
 - Chandan
 - Coriander
 - In yeasts reproduction occurs by
 - fragmentation
 - binary fission
 - budding**
 - spore formation
 - Which of the following parts of a plant take part in sexual reproduction?
 - Flower
 - Seed
 - Fruit
 - Branch
- Choose the correct answer from below:
- (i) and (ii)
 - (i), (ii) and (iii)**
 - (iii) and (iv)
 - (ii), (iii) and (iv)
- Lila observed that a pond with clear water was covered up with a green algae within a week. By which method of reproduction did the algae spread so rapidly?
 - Budding
 - Sexual reproduction
 - Fragmentation**
 - Pollination
 - Seeds of drumstick and maple are carried to long distances by wind because they possess
 - winged seeds**
 - large and hairy seeds
 - long and ridged fruits
 - spiny seeds
 - The ‘eye of the potato plant is what
 - the root is to any plant
 - the bud is to a flower
 - the bud is to Bryophyllum leaf**
 - the anther is to stamen
 - The ovaries of different flowers may contain
 - only one ovule
 - many ovules
 - one to many ovules**
 - only two ovules

9. Two individuals are needed for a sexual reproduction.

- (a) True
(b) **False**

10. Seed is the only structure which develops into new plant.

- (a) True
(b) **False**

11. Plants such as cacti produce new plants when their parts get detached from the main plant body.

- (a) **True**
(b) False

12. Plants produced by vegetative propagation take less time to grow and bear flower and fruit.

- (a) **True**
(b) False

13. The spores are asexual reproductive bodies

- (a) **True**
(b) False

14. Anther contains female gametes called eggs.

- (a) True
(b) **False**

15. The fruit is ripened ovary.

- (a) **True**
(b) False

16. A bisexual flower has both male and female reproductive parts.

- (a) **True**
(b) False

17. Which of the following statements is/are true for sexual reproduction in plants?

- (i) Plants are obtained from seeds
(ii) Two plants are always essential
(iii) Fertilisation can occur only after

pollination

(iv) Only insects are agents of pollination

Choose from the options given below:

(a) **(i) and (ii)**

- (b) (i) only
(c) (i) and (ii)
(d) (i) and (iv)

18. The..... develops into an embryo.

- (a) **Zygote**
(b) Monocoat
(c) Digote
(d) None

19. Buds in potato are also called

- (a) **Eye**
(b) Ear
(c) Nose
(d) None

20. Pollination refers to the:

- (a) transfer of pollen from anther to ovary
(b) transfer of male gametes from anther to stigma
(c) **transfer of pollen from anther to stigma**
(d) transfer of pollen from anther to ovule

21. **Match the following:**

Column A	Column B
(i) Bread mould	(a) Cutting
(ii) Yeast	(b) Leaves
(iii) Potato	(c) Fragmentation
(iv) Bose	(d) Detached body part
(v) Sweet potato	(e) Spores
(vi) Bryophyllum	(f) Eye
(vii) Cactus	(g) Roots
(viii) Spirogyra	(h) Budding

Answer:

Column A Column B

(i) Bread mould (e) Spores

(ii) Yeast (h) Budding

(iii) Potato (f) Eye

(iv) Bore (a) Cutting

(v) Sweet potato (g) Roots

(vi) Bryophyllum (b) Leaves

(vii) Cactus (d) Detached body part

(viii) Spirogyra (c) Fragmentation

Test Series 2022-23

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