QUESTIONS TO PREPARE FOR THE INTERMEDIATE CONTROL LESSON OF THE THEMATIC UNIT "GENERATIVE ORGANS OF PLANTS":

Theoretical part.

1. How single and dicotyledonous plants are distinguished by the morphology of their vegetative organs.
2. Flower. The origin of the flower. Reproductive organs, primitive and progressive features of a flower.
3. The structure and functions of the flower:

a) Structure and functions of sterile parts of flower: sepals, petals. The origin and biological role of the petals of a flower.

b) Structure and functions of the fertile parts of the flower: androceae and gynaecium.

6. Formula of the flower. Diagram of the flower.
7. The essence of pollination. Self-pollination and cross-pollination. Ways of pollination.
8. Inflorescences. Biological role of inflorescences. Classification of inflorescences.
9. Fruit. Morphology and function of fruits. Role of various parts of the flower in the formation of fruits.
10. Modern classification of fruits based on the structure of the gynaecium.
11. Monocarpic fruits. Morphological types of monocarpia.
12. Apocarpic fruits. Morphological types of apocarpia.
13. Fruits-cenocarpia. Morphological types of cenocarpia.
14. Pseudomonocarpia fruits. Morphological types of pseudomonocarpiae.
15. Seed, definition of seed. Seed formation. Morphology and functions of seed.
16. Distinguishing features of seeds of monocotyledonous and dicotyledonous plants.
17. Physiology of the seed. Conditions for the germination of seeds.
18. Methods of propagation of fruits and seeds.
19. General patterns of plant growth.
20. Effect of internal and external factors on the growth of the plant.
21. Growth movements. Tropisms and nasties.
22. Photoperiodism. Plants of short and long day.
23. Plant development.
24. Ontogeny and its phases.
25. Morphogenesis. Organogenesis and its relationship to development.

Practical part

1. Collection of inflorescences
2. Fruit collection