MID-TERM TEST

ENGLISH FOR HI-TECH AGRICULTURE

Full name: ..... Class: ..... Student ID: .....

PART I. MULTIPLE-CHOICE QUESTIONS – CLO1.2 (3.0 points)

Choose the best answer. (12 questions × 0.25 point = 3.0 points)

1. The main function of root hairs is to _____.
   A. absorb water and nutrients B. produce seeds C. transfer pollen D. support flowers
2. Which plant part is the main site of photosynthesis?
   A. Roots B. Leaves C. Flowers D. Fruits
3. The transfer of pollen from the anther to the stigma is called _____.
   A. germination B. transpiration C. pollination D. fertilization
4. A plant that completes its life cycle within one year is called _____.
   A. an annual plant B. a biennial plant C. a perennial plant D. a woody plant
5. Seeds need _____ to germinate.
   A. fertilizers only B. water and a suitable temperature C. darkness only D. pesticides
6. Which activity helps loosen the soil and improve aeration?
   A. Pollination B. Tilling C. Harvesting D. Transplanting
7. Which seedbed is suitable for clayey soils and areas with high rainfall?
   A. Flat seedbed B. Sunken seedbed C. Raised seedbed D. Seed tray
8. Organic matter helps soil by _____.
   A. reducing all nutrients B. improving soil structure and water-holding capacity
   C. preventing all weeds D. making soil waterlogged
9. Nitrogen, phosphorus and potassium are _____ nutrients.
   A. primary B. secondary C. non-mineral D. micronutrients
10. Applying a diluted fertilizer solution directly to leaves is called _____.
    A. base dressing B. top dressing C. foliar feeding D. tilling
11. Which of the following can cause infectious plant diseases?
    A. Nutrient deficiency B. Environmental conditions C. Fungi D. Lack of sunlight
12. Crop rotation helps farmers _____.
    A. increase pathogen build-up B. reduce plant diseases
    C. stop photosynthesis D. prevent seed germination

PART II. TRUE / FALSE – CLO1.3 (2.0 points)

Read each sentence and write TRUE/FALSE. (8 questions × 0.25 point = 2.0 points)

13. _____ Tilling helps loosen the soil and makes it easier for plant roots to grow.
14. _____ Photosynthesis takes place mainly in the roots of a plant.
15. _____ Annual plants complete their life cycle within two years.
16. _____ Raised seedbeds are especially useful in areas with heavy rainfall or poor drainage.
17. _____ All types of soil have the same drainage and aeration conditions.
18. _____ Roots absorb water and nutrients from the soil and help anchor the plant.

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19. _____ Crop rotation cannot help prevent the development and spread of plant diseases.

20. _____ Removing infected plants is one way to prevent the spread of plant diseases.

PART III. READING COMPREHENSION AND TRANSLATION – CLO2.1 (5.0 points)

A. Reading comprehension (2.0 points)

Read the passage and answer the four questions. (4 questions × 0.5 point = 2.0 points)

Preparing healthy soil is an important step in vegetable production. Farmers usually till the soil, prepare seedbeds and add organic matter or fertilizers before planting. Tilling loosens the soil and makes it easier for roots to grow. Organic matter improves soil structure and increases its ability to hold water and nutrients. The type of seedbed depends on soil conditions and climate. Raised seedbeds are useful in areas with heavy rainfall or poor drainage, while sunken seedbeds help conserve water in dry regions. Plants also need essential nutrients for healthy growth. Nitrogen, phosphorus and potassium are primary nutrients, while calcium, magnesium and sulfur are secondary nutrients. Farmers should apply fertilizers according to crop requirements. In addition, plant diseases must be prevented. Crop rotation, proper watering, disease-resistant varieties and the removal of infected plants can help protect crops.

21. What are the three main activities farmers carry out before planting?

_____

22. How does tilling help plant roots?

_____

23. Under what soil and climate conditions are raised seedbeds recommended?

_____

24. Name two methods that can help prevent plant diseases.

_____

B. Translation: Vietnamese into English (3.0 points)

Translate the following six sentences into English. (6 sentences × 0.5 point = 3.0 points)

25. Rễ cây hấp thụ nước và chất dinh dưỡng từ đất.

_____

26. Lá là nơi diễn ra quá trình quang hợp.

_____

27. Cây hàng năm hoàn thành vòng đời trong vòng một năm.

_____

28. Chất hữu cơ giúp cải thiện cấu trúc đất và khả năng giữ nước.

_____

29. Phân bón cung cấp các chất dinh dưỡng cần thiết cho cây trồng.

_____

30. Luân canh giúp giảm sự phát triển của mầm bệnh thực vật.

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