

# Test Questions

## After Lecture 2

1. Which campus map is not required to draw in this lecture?

- A. plans
- B. elevations
- C. perspective drawings
- D. partial enlargement

2. What are the steps to take when drawing a building elevation?

① Measure or calculate the height of the building, taking into account the actual shape of the building, and draw the outline of the building on paper.

② By floor plan or re-ranging, determine the length of the bottom edge of the building elevation.

③ Other details can be added, such as eaves, guardrails, and stairs, etc.

④ Measure the distance from the door and window to the edge of the building as well as the length and width of the doors and windows themselves, and draw it on the map after conversion according to the scale.

- A. ①②③④
- B. ②①④③
- C. ③④①②
- D. ④③②①

## After Lecture 4

1. What data do you need to measure when exploring the effects of plants on the environment in this course? (Multiple Choice)

- A. air temperature
- B. relative humidity
- C. solar radiation
- D. wind speed
- E. soil humidity

2. Which of the following data can be read out from the Stevenson Screen?

- A. solar radiation
- B. ground temperature
- C. wind speed
- D. air humidity

3. What is “living vegetation volume” (LVV)?

- A. the total amount of greenery per unit area
- B. area covered by green space per unit area
- C. area of greenery on unit area
- D. the number of plants per unit area

### **After Lecture 7 (Mid-term Test)**

1. What are the specific strategies in the energy-saving plan for light and heating of the building? Talk about them based on local climate conditions.
2. What practical goals should be achieved when renovating the campus greenery?

### **After Lecture 8**

1. What are the specialized waste disposal methods introduced in this course?
  - A. kitchen waste — enzymes making
  - B. fallen branches — playground paving
  - C. fallen leaves — compost materials
  - D. household waste — sanitary landfill
2. Which instrument is needed to measure the water path of the site?
  - A. tape measure
  - B. digital display level
  - C. rain gauge
  - D. hygrometer

### **After Lecture 11**

1. What methods are introduced in the course when surveying people about their needs for campus space?
  - A. interview one by one
  - B. field observation
  - C. questionnaires
  - D. literature survey
2. Among human dimensions and the design elements that they can affect, what dimensions can be determined for abdominal thickness when standing?

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- A. determine the distance between the chairs around the table, the distance between rows of chairs, the distance between the aisles of public and dedicated space
  - B. determine the minimum vertical distance between the bottom of the table and the limited chair surface
  - C. determine the minimum distance when people pass sideways, which is the limit value
  - D. determine the heights of the chair armrest, workbench, desk, dining table, etc.

### **Final Test**

1. What have you learned about how to recycle and reuse resources?
2. Tell us about friendly and unfriendly designs in your environment.
3. Design a renovation plan for your campus.

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#### **KEYS:**

After Lecture 2 1 C 2 B

After Lecture 4 1 ABCD 2 D 3 A

After Lecture 8 1 ABC 2 B

After Lecture 11 1 AB 2 C

