

Sample Questions

(Please note that these are only SAMPLES, and you can expect other, similar questions at the exam. So it is NOT ENOUGH to know the correct answer for these questions only)!

- 1.) Analyse the histological structure (tissue types) of the root! (You can draw a root in cross section and explain which tissues can be seen.)
- 2.) What kind of modified roots do you know?
- 3.) Which types of parasitic roots do you know?
- 4.) Explain the regions of the root (from root tip towards the stem) (e.g. you can draw a root in longitudinal section and name each region)
- 5.) What kind of above-ground woody stems do you know?
- 6.) Which types of herbaceous stems do you know?
- 7.) Which types of simple divided leaves do you know (based on the degree of division)? Drawings are preferred!
- 8.) What kinds of simple undivided leaves can you mention (based on the edge of the leaf)? Explanatory figures are appreciated!
- 9.) What is the difference between pinnately and palmately compound leaves?
- 10.) How can you distinguish between simple and compound leaves?
- 11.) What are the functions of the leaf?
- 12.) What are the parts of a typical leaf?
- 13.) What kinds of leaf tips occur most frequently in plants?
- 14.) What are the possible leaf arrangements?
- 15.) Which are the most frequent types of leaf venation?
- 16.) What characterizes the typical histological structure of a leaf?
- 17.) What are the characteristic features of cymose inflorescences?
- 18.) Which types of racemous inflorescences do you know? Provide explanatory drawings, too!
- 19.) Which fruit types belong to the simple fleshy type?
- 20.) Which fruit types can be classified to the dry dehiscent type?
- 21.) What is the difference between true fruit and false fruit?
- 22.) What are the layers of the pericarp (fruit wall)?
- 23.) What is the difference between aggregate fruits and multiple fruits?