

PRODUCTION OF MEDICINAL PLANTS - TOPICS FOR THE EXAM

1. Growth and ontogeny
2. Variability of medicinal plants and its importance – natural, artificial
3. Intraspecific variability
4. Morphogenetic variability
5. Ontogenetic variability
6. Diurnal variability
7. Soil and climatic factors and their influence on bioactive compounds content and on the growth of plants
8. Artificial variability
9. Growth regulators
10. Temperature as the growth and ontogeny factor
11. Extreme temperatures
12. Influence of temperature and light on production of medicinal plants compounds
13. Light as the growth and ontogeny factor
14. Photoperiodism
15. Water requirements of plants
16. Xeromorfism and resistance of plants to the drought
17. Soil, its functions and formation
18. Organic matter of soil, hummus
19. Mineral matter of soil
20. Soil texture and soil structure
21. Soil types and the general principles of plant nutrition
22. The influence of external and internal factors on nutrients intake
23. The role of nitrogen in plant and nitrogen nutrition
24. The importance of phosphorus in plant and phosphorus nutrition
25. Potassium nutrition and its importance for plant
26. Calcium in plants and its physiological functions
27. The role of calcium in the nutrition
28. Microelements
29. The importance of fertilization for the production of contained substances
30. Seeds and seed assessment (weight, size, uniformity, purity)
31. Seeds and seed assessment (germination, longevity and health status of seed)

32. Presowing seed treatment
33. Sowing, planting
34. Seed and vegetative propagation
35. Harvest and harvest general principles
36. Postharvest treatment of medicinal plants
37. Principles of good drying
38. Drying by natural and artificial heat
39. Storage of drugs and drug packaging and sending
40. Drug Treatment
41. Stabilisation of medicinal plants
42. Physiological disorders of medicinal plants
43. Parasitic disease (viremia)
44. Parasitic diseases (bacteriosis)
45. Parasitic diseases (mycoses)
46. Damage caused by animal pests
47. Herbicides
48. Fungicides
49. Insecticides
50. The system of integrated protection
51. Chemical protection of plants
52. Biological protection of plants
53. Physical protection of plants
54. Prevention, plant resistance
55. Breeding and breeding objectives
56. Starting material for breeding
57. Basic methods of breeding
58. Maintenance breeding
59. Harvesting of medicinal plants from the wild nature
60. Cultivation of medicinal plants in the cultures
61. New trends of income of medicinal plants - tissue cultures, elicitation, plant hormones
62. The procedures and principles of cultivation of chosen medicinal plants
63. History and milestones in the use and research of medicinal plants
64. Basic concepts and definitions relating to medicinal plants and the subject
65. Organizations dealing with medicinal plants