**Questions for the final examination in Prevention of dento-maxillary anomalies for 3rd year students, VI th semester**

1. Define *orthodontics* and name its tasks.
2. Define, describe the concept of *preventive dentistry* and *prevention in orthodontics.*
3. Define the notion of dispensarisation. Stages of dispensarisation.
4. Name and describe the groups of dispensarisation in dentistry and particularly in orthodontics.
5. Dento-maxillary anomalies. Definition. General characteristics.
6. Name and describe basic factors of growth and development of the facial skeleton.
7. Prevention of dento-maxillary anomalies. Definition. General characteristics.
8. Ontogenetic development of dento-maxillary system. Periods and terms.
9. Prenatal prophylaxis of dento-maxillary anomalies. General description. Measures and achievement.
10. Actions of avoiding medical abuse and chemical substances in order to achieve a balanced development of the dento-maxillary complex.
11. Actions of prophylaxis of dento-maxillary anomalies during birth.
12. Postnatal prophylaxis of the dento-maxillary anomalies.
13. Postnatal prophylaxis actions for dento-maxillary anomalies.
14. Breastfeeding role in the growth and development of the dento-maxillary system.
15. General medical therapy in the context of the postnatal prophylaxis of the dento-maxillary anomalies.
16. The role of ensuring the functions of the dento-maxillary system and their role in the dento-maxillary growth and development.
17. The role of the dental arches integrity in the postnatal development of the dento-maxillary anomalies.
18. Hereditary pathologies and their impact upon the development of the dento-maxillary system.
19. Chromosomial abnormalities. Definition, classification.
20. Langdon Down syndrome. Epidemiology, clinical signs in the oro-maxillo-facial region.
21. Klinefelter syndrome. Clinical signs in the oro-maxillo-facial region.
22. Turner syndrome. Clinical signs in the oro-maxillo-facial region.
23. Ectodermal dysplasia syndrome. Clinical signs in the oro-maxillo-facial region.
24. Multifactorial etiology of the dento-maxillary anomalies. General notions. Prophylactic therapy.
25. Etiological and risk factors of the dento-maxillary anomalies.
26. General etiological factors of the dento-maxillary anomalies. General description.
27. Loco-regional factors of the dento-maxillary anomalies.
28. Phylogenetic factors of the dento-maxillary anomalies. Phylogenetic tenedencies of the dento-maxillary system.
29. Ontogenetic factors of the dento-maxillary anomalies. Notions of ontogenesis of the dento-maxillary system.
30. The impact of nocive factors in the organogenesis and morfogenesis of the dento-maxillary system.
31. Hereditary factors of the dento-maxillary anomalies. General description. Name the inherited dento-maxillary anomalies.
32. Endocrine factors of the dento-maxillary anomalies. Name the action periods of the endocrine glands upon the teeth development.
33. Role of pituitary gland in the development of the dento-maxillary system. Nocive actions of the hyper- or hyposecretion of pituitary gland hormones.
34. Role of thyroid gland in the development of the dento-maxillary system. Nocive actions of the hyper- or hyposecretion of thyroid gland hormones.
35. Role of parathyroid glands and suprarenals in the development of the dento-maxillary system. Nocive actions of the hyper- or hyposecretion of parathyroid and suprarenal gland hormones.
36. Role of the metabolic factors in the general development and the dento-maxillary system. Rickets disease in the oro-maxillo-facial region.
37. The influence of functional loco-regional factors in the shaping of the dento-maxillary system.
38. Breathing dysfunction and its role in the dento-maxillary anomalies. Upper maxillary compression in the oral breather.
39. Local factors of the dento-maxillary anomalies. Absence of physiological abrasion of temporary teeth and the persistence of the temporary teeth as cause of the dento-maxillary anomalies.
40. Impact of the dental caries and its complications on the development of dento-maxillary complex.
41. Soft tissue anomalies (of attachment and volume) and their role in the development of the dento-maxillary anomalies.
42. Dento-maxillary system functions. Particularities according to age.
43. Oral breathing. Etiology. Mechanism of influencing the development of the dento-maxillary system.
44. Functional re-education. Notion. Advantages. Methods.
45. Oral vicious habits. Definition. Classification.
46. Exobuccal vicious habits (bad posture). Notion. Classification. Consequences.
47. Vicious habits by dysfunction (oral breathing, atypical swallowing, etc.) and their impact upon the dento-maxillary system.
48. Methods of correcting bad posture and prophylaxis.
49. Vicious habits of heterotropic interposition with/without suction. Mechanism of action on the dento-maxillary apparatus.
50. Vicious habits of autotropic interposition with/without suction. Mechanism of action on the dento-maxillary apparatus.
51. Methods of prevention of the vicious habits of self-/heterotropic interposition.
52. Principles of orthodontic treatment in patients with oral vicious habits.
53. Treatment of oral vicious habits. Methods. Orthodontic appliances indicated according to the age of the patient.
54. Oral vicious habit: finger sucking. Clinical signs. Consequnces upon the development of the dento-maxillary system.
55. Oral vicious habit: upper lip sucking. Clinical signs. Consequnces upon the development of the dento-maxillary system.
56. Oral vicious habit: lower lip sucking. Clinical signs. Consequnces upon the development of the dento-maxillary system.
57. The principles of the functional therapy in the treatment of the dento-maxillary anomalies produced as a consequence of oral vicious habits.
58. Muscular training in the treatment of the dento-maxillary anomalies produced by practicing oral vicious habits. Methods. The advantages of the perioral muscles myogimnastics.
59. Perioral muscles’ forces and their influence upon the dento-maxillary system.
60. Name the consequences of the hypotonicity of perioral muscles (m. orbicularis oris, tongue muscles, m. maseter, etc.)
61. Name the consequences of the hypertonicity of perioral muscles (m. orbicularis oris, tongue muscles, m. maseter, etc.)
62. Dento-maxillary system dysfunctions. Varieties. The impact upon the development of the dento-maxillary system.
63. Clinical and paraclinical methods of diagnosing dento-maxillary dysfunctions.
64. Myogimnastics. Notions and objectives of myogimnastics in children of different age.
65. Myogimnastics. Indications.
66. Exercises for atypical swallowing re-education.
67. Exercises for oral breathing re-education.
68. Exercises for phonation (speaking) re-education.
69. Mandibular kinematics. Notions and general characteristics.
70. Muscles that participate in mandibular kinematics and their role in the dento-maxillary system development.
71. Examination of the mandibular kinematics according to the age.
72. Physiological swallowing. General notions. Varieties according to age. The influence of swallowing upon the development of the dento-maxillary system.
73. Pathological swallowing. Varieties. Clinical methods used for the diagnosis of swallowing dysfunction in children.
74. Atypical swallowing. General characteristics. The mechanism of action in the dento-maxillary anomalies.
75. Masticatory function and its influence upon the development of the dento-maxillary system.
76. Masticatory dysfunctions and their influence upon the development of the dento-maxillary system.
77. Phonation function and its influence upon development of the dento-maxillary system.
78. Phonation dysfunctions and their influence upon the development of the dento-maxillary system.
79. Dento-maxillary system dysfunctions that leads to upper maxillary compression.
80. Interceptive treatment. Notions. General characteristics. Objectives of treatment in children with different ages.
81. Interceptive treatment of dento-maxillary anomalies in sagittal dimension.
82. Interceptive treatment of dento-maxillary anomalies in transversal dimension.
83. Interceptive treatment of dento-maxillary anomalies in vertical dimension.
84. Prophylactic and early treatment of pathologic swallowing.
85. Terms of eruption and development of the temporary teeth.
86. Terms of eruption and development of the permanent teeth.
87. Teeth eruption. Stages. Dental eruption disorders.
88. Early loss of the temporary teeth. Notion. Causes. The impact upon the development of dento-maxillary system.
89. Space maintainers. Types. Indications.
90. Interceptive methods of obtaining space on dental arch.